

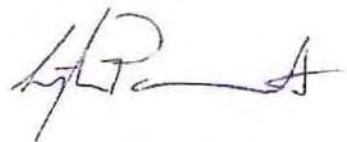
Attachment O1
Illinois SHPO Reports

Results of a Phase I Archaeological Investigation
For the CN EJ&E Acquisition
Environmental Impact Statement
Proposed Leighton Double Track,
Lake County, Illinois

Prepared for
Surface Transportation Board
Section of Environmental Analysis
and HDR Engineering, Inc.

Prepared by
Archaeological Research, Inc.
4147 N. Ravenswood Ave.
Chicago, IL 60613
(773) 975-1753
www.arch-res.com

This document was prepared by
Stephen W. Parrish, M.A., RPA
June 2008

A handwritten signature in dark ink, appearing to read 'S. W. Parrish', with a stylized flourish at the end.

Signature of Project Archaeologist, Steve Parrish

ARCHAEOLOGICAL SURVEY SHORT REPORT
Illinois Historic Preservation Agency
Old State Capitol Bldg., Springfield, IL 62701 (217/785-4997)

Reviewer _____
Date: _____
____ Accepted ____ Rejected

IHPA Log # _____
Locational Information and Survey Conditions

IHPA use only (Form ASSR0886)

County: Lake

Quadrangle: Wheeling & Libertyville

Project Type/Title: Phase I/Leithton Double Track

Funding &/or Permitting Fed./State Agencies: Surface Transportation Board - Office of Economics, Environmental Analysis and Administration

Sec: 31 &32

T.: 44 N R.: 11 E Natural Divis. (no.): 3a

Project Description: The client proposes to construct a second mainline track within the project area. The project is immediately adjacent to existing rail lines.

Topography: The project area is located within the Wheaton Morainal physiographic province of Illinois. The Wheaton Morainal country is characterized by broad flat expanses (outwash plains) punctuated by the gently to steeply sloping moraines and till plains. Locally, the project area consists of relatively flat outwash plains.

Soils: Soils within the project area have been mapped as: Harpster silty clay loam, Houghton muck, Elliott silt loam 2-4% slopes, Pella silty clay loam, Varna silt loam 2-4% slopes, Ashkum silty clay loam 0-2% slopes, Peotone silty clay loam 0-2% slopes, and Markham loam 2-4% slopes. Harpster soils are situated in depressions on outwash plains, formed in glacial drift and developed under water tolerant grasses. Houghton series soils are situated on outwash plains, formed in herbaceous organic deposits and marsh grasses. Pella series soils are situated on till plains, formed in till and developed under marsh grasses and sedges. Varna series soils are situated on till plains, formed in glacial till and developed under prairie grass. Ashkum series soils are situated on till plains, formed in glacial till and developed under marsh grasses and sedges. Peotone soils are situated on till plains, formed in colluvial sediments and developed under marsh grasses and sedges. Markham series soils are situated on till plains, formed in glacial till and developed under prairie grass.

Drainage: The project area is drained by Indian Creek which drains into the Des Plaines River.

Land Use/Ground Cover (Include % Visibility): The majority of the project area is contained within fallow areas immediately adjacent to existing railroad right of way. Vegetation consists of grass and weeds. Ground surface visibility was highly variable ranging from 75% to less than 40%.

Survey Limitations: There were no limitations to a comprehensive survey of the project area.

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

Historic Plats/Atlases/Sources:

IAS site files for Lake County, Plat & Atlas of Lake County, Illinois: 1840 (GLO); 1861 (L. Gast Bro. & Co.); 1885 (H.R. Page & Co.); 1926 (Thrill Press), ARI site files for Lake County.

Previously Reported Sites: There are no previously reported sites within the project area. There are six previously reported sites (349, 480, 445, 447, 446, 808) within one mile of the project area.

Previous Surveys: A few small segments of the project area have been previously surveyed (IHPA doc.#'s 99999 & 15554). These previously surveyed areas are delineated on the attached sketch map showing vegetation and survey methods. Previous surveys within one mile include the following: Lurie, 1988 [IHPA doc.# 2183]; Simon, 1988 [IHPA doc.# 2524]; Mehrer, 1991 [IHPA doc.# 6601]; Keene, 1998 [IHPA doc.# 8937]; Poulson, 1997 [IHPA doc.# 8978]; Johnson & Bird, 1995 [IHPA doc.# 11218]; Johnson, 2003 [IHPA doc.# 13161]; Johnson, 2005 [IHPA doc.# 15133]; Stillwell, 2005 [IHPA doc.# 15554].

Regional Archaeologists Contacted: David Keene

Investigation Techniques: Surface inspection was conducted at 5-meter transect intervals over the entire project area. Sub-surface shovel testing was conducted at 15-meter transect intervals in those areas where ground surface visibility was less than 40%. All material excavated in this manner was screened for cultural material through ¼ inch hardware cloth.

Time expended: 2 person days

Sites/Find Spots Located: N/A

Cultural Material: N/A

Curated At: N/A

Collection Techniques: N/A

Area Surveyed (Acres & Square Meters): 9.69 acres / 39,242 square meters

Results Of Investigation And Recommendations: (Check One)

- ☒ Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination Of Eligibility Is Recommended.

Comments: SEE ADDITIONAL COMMENT SHEET

Archaeological Contractor Information:

Archaeological Contractor: Archaeological Research, Inc.

Address/Phone: 4147 North Ravenswood Avenue Suite 301 Chicago, Illinois 60613/ (773) 975-1753

Surveyor(s): Keene, Parrish

Survey Date: 4-1-08

Report Completed By: Keene & Parrish

Date: 5-08-08

Submitted By (Signature & Title):

 staff archaeologist

Attachment Check List: (#1 Through #4 are MANDATORY)

- ☒ 1) Relevant Portion Of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- ☒ 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits And Concentrations Of Cultural Materials;
- ☐ 3) Site Form(s):
- ☒ 4) All Relevant Project Correspondence;
- ☒ 5) Additional Information Sheets As Necessary.

Address Of Contracting Agency To Whom SHPO Comment Should Be Mailed:

HDR Engineering, Inc.
5426 Bay Center Dr.
Tampa, FL 33609-3444

Contact Person: Mr. Barry R. Wharton

Phone No. 813-282-2360

Reviewers Comments:

ADDITIONAL COMMENTS:

Archaeological inspection of the project area did not result in the location of any cultural material. Historic plat maps do not indicate the presence of any historic structures within the project area. Given the negative results of field inspection, as well as background documents further investigation is not considered likely to result in the location of significant cultural deposits in situ. Further investigation of this parcel is therefore not recommended.

REFERENCES CITED

Mapes, D.R.

- 1979 Soil Survey of DuPage and Part of Cook Counties, Illinois. United States Department of Agriculture, Soil Conservation Service, Washington, D.C.

Nelson, Ronald E.

- 1954 *Illinois: Land and Life in the Prairie State*. Kendall /Hunt, Dubuque.

Schwegman, John E.

- 1973 *Comprehensive Plan for the Illinois Nature Preserves System, Part 2 The Natural Divisions of Illinois*. Illinois Nature Preserves Commission, Rockford.

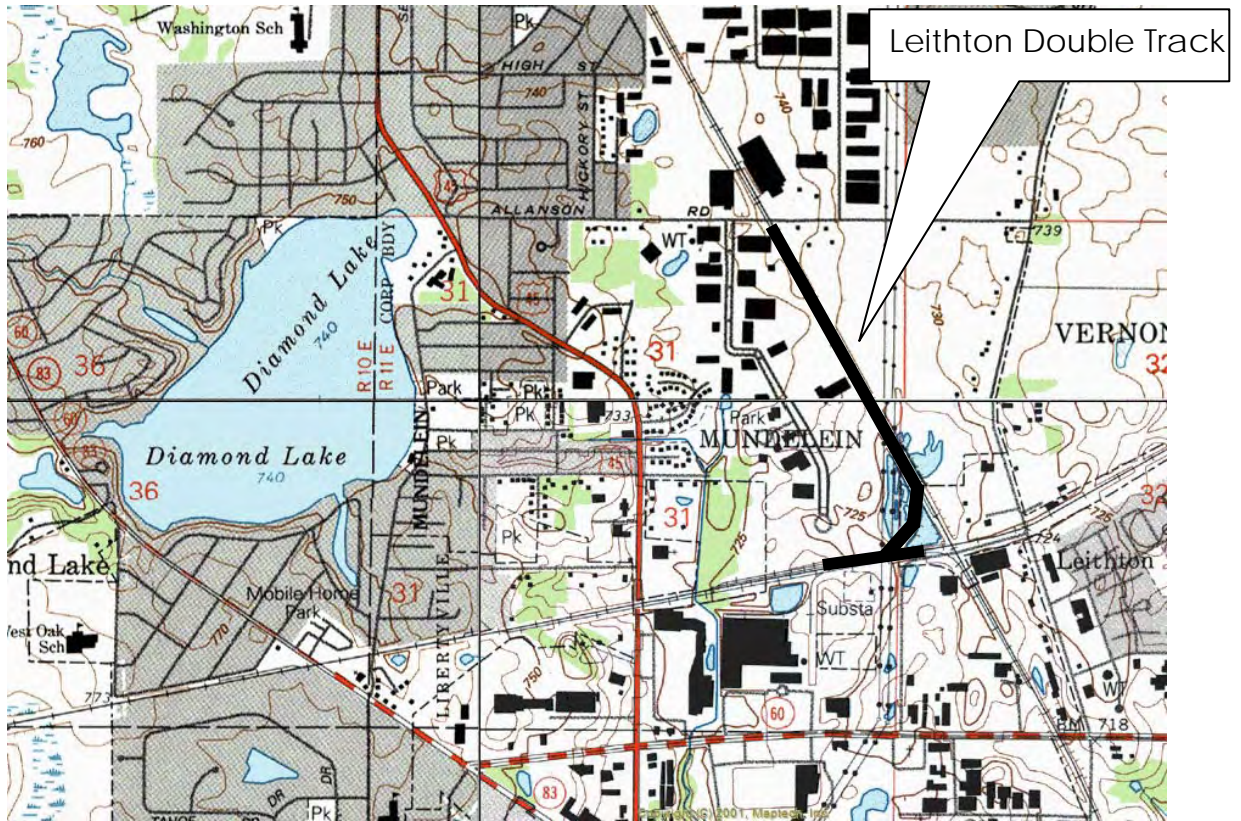
Willman, H.B.

- 1962 *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, Urbana.
- 1840 *General Land Office Plat Map of Illinois*. Library of Congress.
- 1861 *Plat Map of Lake County, Illinois*. L. Gast Bro. & Co., Lith.
- 1885 *Plat Map of Lake County, Illinois*. H.R. Page & Co.
- 1926 *Plat Map of Lake County, Illinois*. Thrift Press, Rockford.

OTHER REFERENCES

Illinois Archaeological Survey (IAS) site files housed at the Illinois State Museum, Springfield, Illinois.

Attachment 1: Project Location Map



Archaeological
RESEARCH, INC.

Lake County, Illinois
Wheeling & Libertyville IL 7.5 Minute USGS Quadrangles
T44N., R11E; Sections 31 and 32

Map Date:

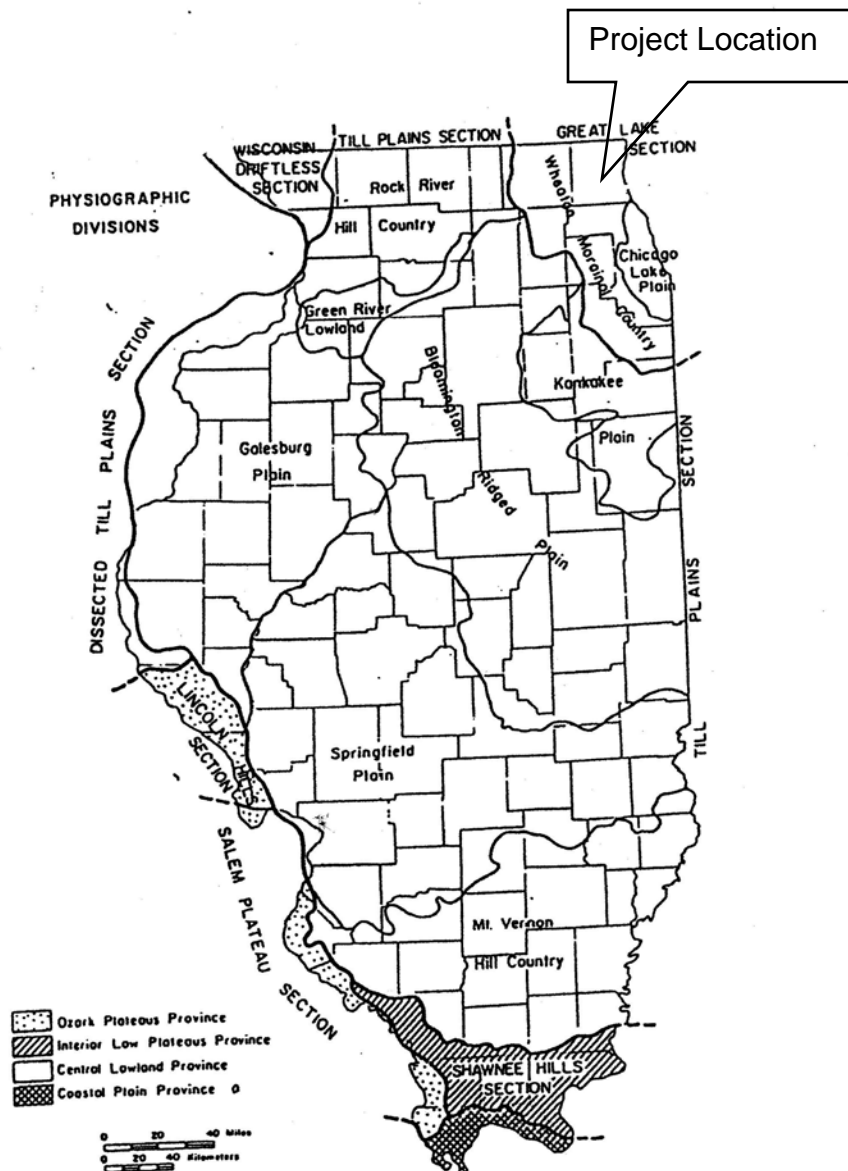
1990

Scale:

1: 24,000

Project No.:

Attachment 2. Physiographic Provinces of Illinois



Physiographic Provinces of Illinois (Willman 1975:16)

Attachment 3. Project Area Map Provided by the Client. 1 of 3.



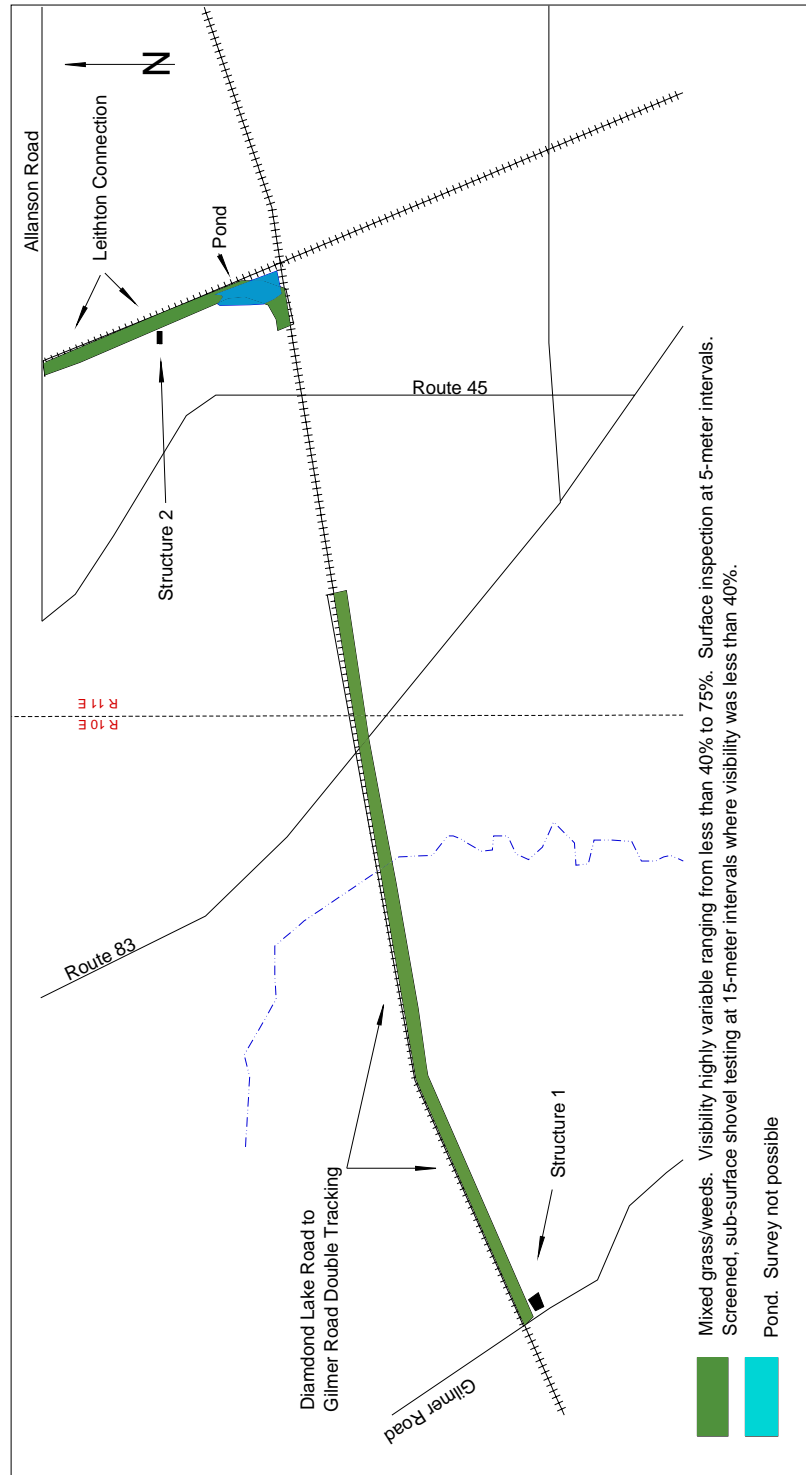
Attachment 4. Project Area Map Provided by the Client. 2 of 3.



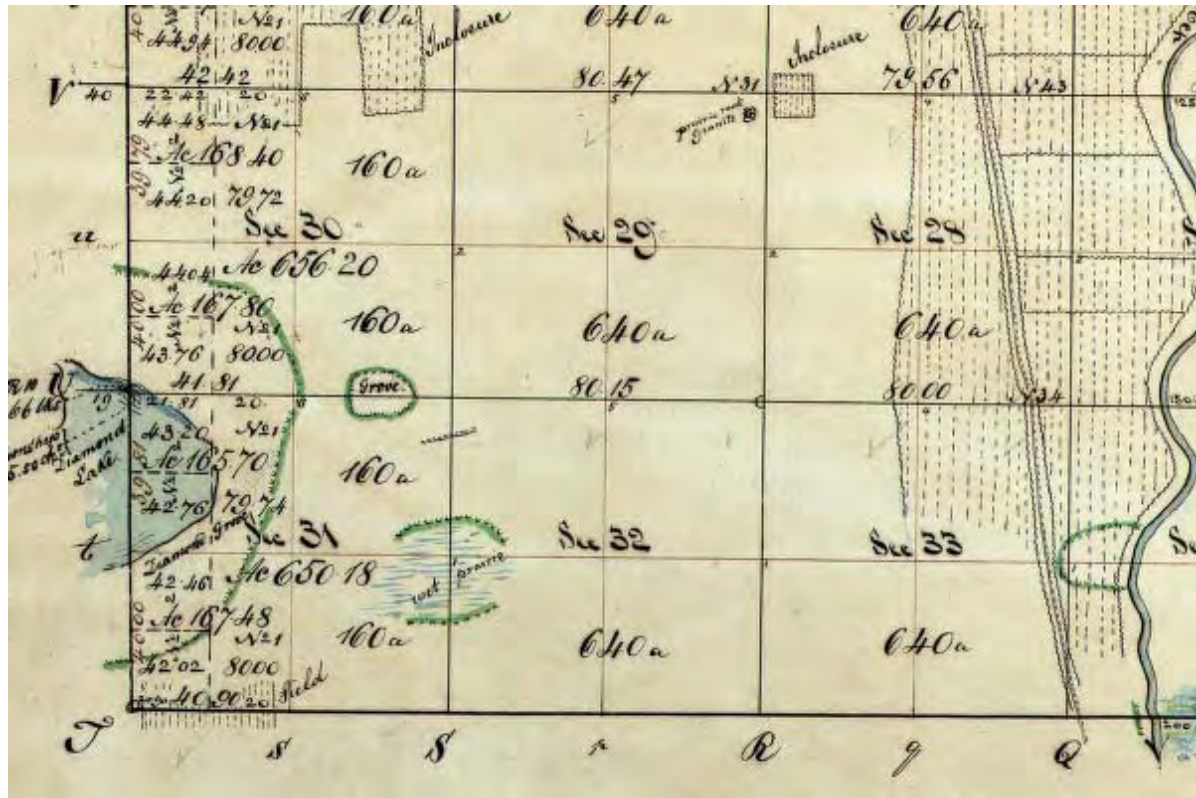
Attachment 5. Project Area Map Provided by the Client. 3 of 3.



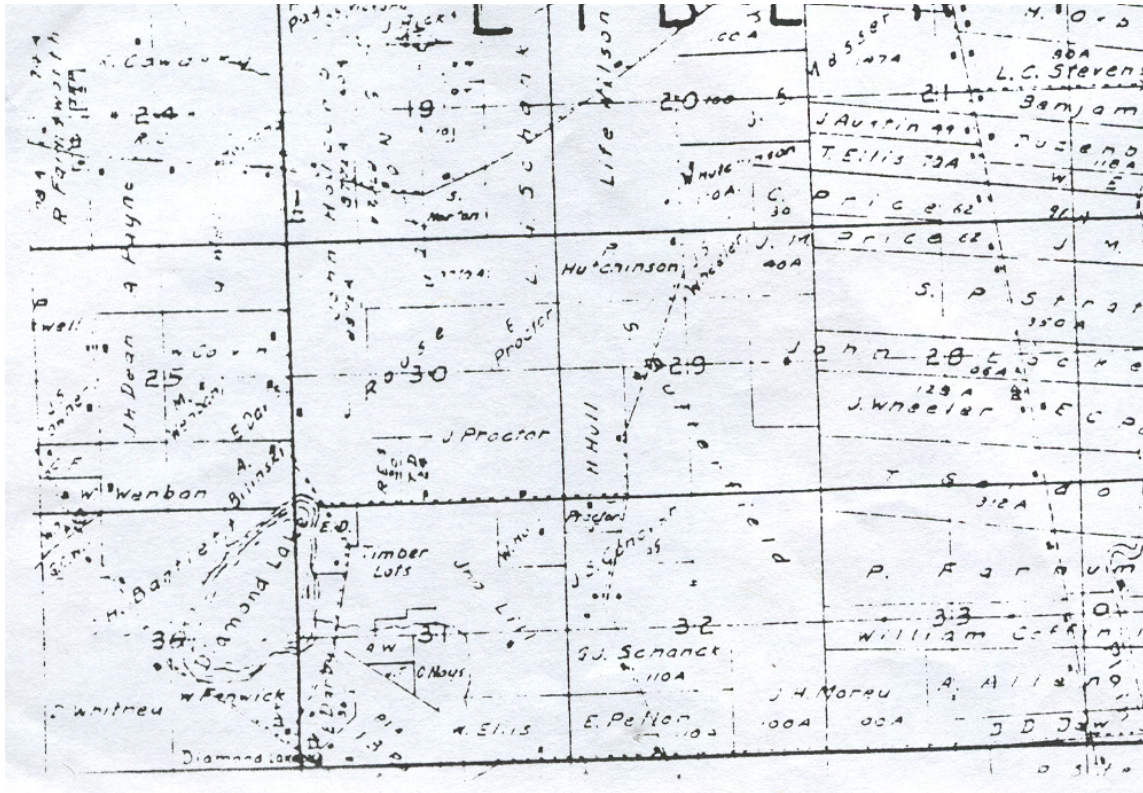
Attachment 6. Sketch Map of the Project Area Showing Vegetation and Survey Methods.



Attachment 7. General Land Office Map of Lake County, Illinois.
Township 44 North, Range 11 East
Sections 31 & 32



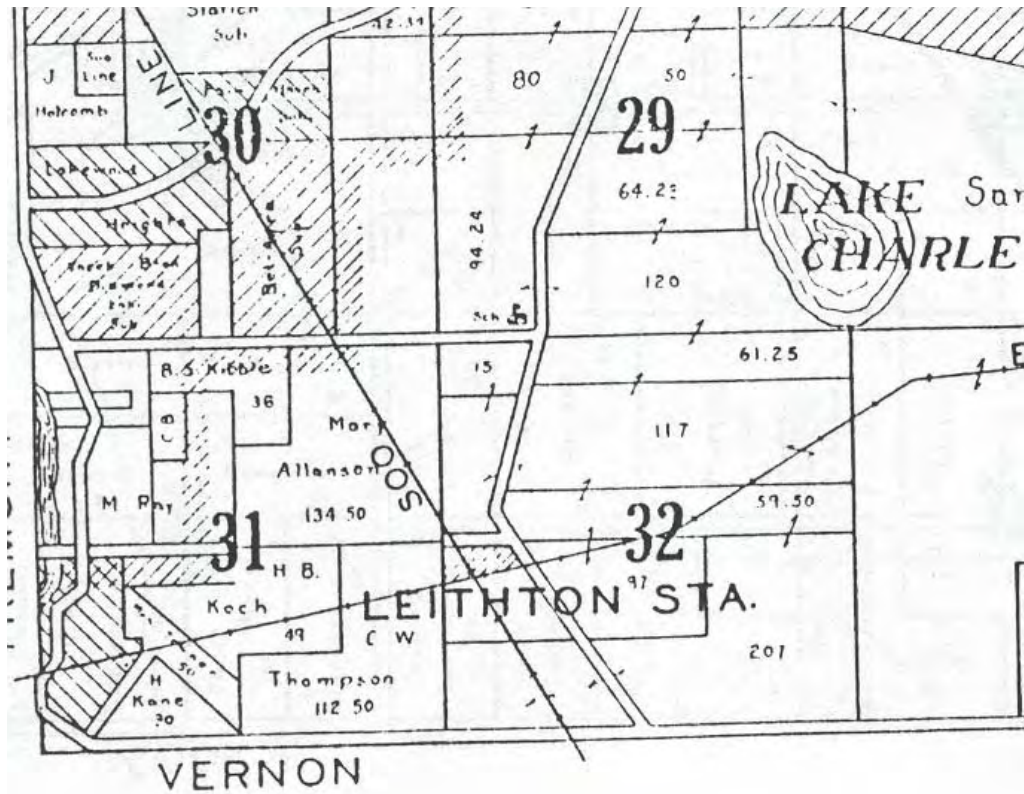
General Land Office Plat Map of Lake County, Illinois. Library of Congress, 1840.



Attachment 9. Plat Map of Lake County, Illinois.
Libertyville Township
H.R. Page & Co.
1885



Attachment 10. Atlas-Plat Book of Lake County, Illinois.
Libertyville Township
Thrift Press
1926



Attachment 11. Photographs of Standing Structures.



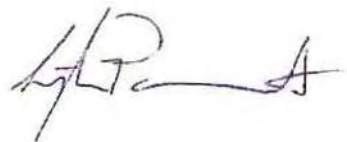
View to southwest. East and north elevation of Structure 2.

Results of a Phase I Archaeological Investigation
For the CN EJ&E Acquisition
Environmental Impact Statement
Proposed Diamond Lake Road to Gilmer Road Double Tracking,
Lake County, Illinois

Prepared for
Surface Transportation Board
Section of Environmental Analysis
and HDR Engineering, Inc.

Prepared by
Archaeological Research, Inc.
4147 N. Ravenswood Ave.
Chicago, IL 60613
(773) 975-1753
www.arch-res.com

This document was prepared by
Stephen W. Parrish, M.A., RPA
June 2008

A handwritten signature in dark ink, appearing to read 'S. W. Parrish', with a stylized flourish at the end.

Signature of Project Archaeologist, Steve Parrish

ARCHAEOLOGICAL SURVEY SHORT REPORT
Illinois Historic Preservation Agency
Old State Capitol Bldg., Springfield, IL 62701 (217/785-4997)

Reviewer _____
Date: _____
____ Accepted ____ Rejected

IHPA Log # _____

IHPA use only (Form ASSR0886)

Locational Information and Survey Conditions

County: Lake

Quadrangle: Wheeling, Lake Zurich & Libertyville

Double Tracking

Project Type/Title: Phase I/Diamond Lake Road to Gilmer Road

Funding &/or Permitting Fed./State Agencies: Surface Transportation Board - Office of Economics, Environmental Analysis and Administration

Sec: 31

T.: 44 N

R.: 11 E

Natural Divis. (no.): 3a

36

44 N

10 E

1, 2, 3

43 N

10 E

Project Description: The client proposes to construct a second mainline track within the project area. The project is immediately adjacent to existing rail lines.

Topography: The project area is located within the Wheaton Morainal physiographic province of Illinois. The Wheaton Morainal country is characterized by broad flat expanses (outwash plains) punctuated by the gently to steeply sloping moraines and till plains. Locally, the project area consists of relatively flat outwash plains.

Soils: Soils within the project area have been mapped as: Harpster silty clay loam, Houghton muck; Elliott silt loam, 2-4% slopes; Pella silty clay loam; Varna silt loam, 2-4% slopes; Ashkum silty clay loam, 0-2% slopes; Peotone silty clay loam, 0-2% slopes; and Markham loam. 2-4% slopes. Harpster soils are situated in depressions on outwash plains, formed in glacial drift and developed under water tolerant grasses. Houghton series soils are situated on outwash plains, formed in herbaceous organic deposits and marsh grasses. Pella series soils are situated on till plains, formed in till and developed under marsh grasses and sedges. Varna series soils are situated on till plains, formed in glacial till and developed under prairie grass. Ashkum series soils are situated on till plains, formed in glacial till and developed under marsh grasses and sedges. Peotone soils are situated on till plains, formed in colluvial sediments and developed under marsh grasses and sedges. Markham series soils are situated on till plains, formed in glacial till and developed under prairie grass.

Drainage: The project area is drained by Indian Creek which drains into the Des Plaines River.

Land Use/Ground Cover (Include % Visibility): The majority of the project area is contained within fallow areas immediately adjacent to existing railroad right of way. Vegetation consists of grass and weeds. Ground surface visibility was highly variable ranging from 75% to less than 40%.

Survey Limitations: There were no limitations to a comprehensive survey of the project area.

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

Historic Plats/Atlases/Sources:

IAS site files for Lake County, Plat & Atlas of Lake County, Illinois: 1840 (GLO); 1861 (L. Gast Bro. & Co., Lith); 1885 (H.R. Page & Co.); 1926 (Thrifty Press), ARI site files for Lake County.

Previously Reported Sites: There are no previously reported sites within the project area. There are six previously reported sites (349, 480, 445, 447, 446, 808) within one mile of the project area.

Previous Surveys: A few small segments of the project area have been previously surveyed (IHPA doc.#'s 99999 & 15554). These previously surveyed areas are delineated on the attached sketch map showing vegetation and survey methods. Previous surveys within one mile include the following: Lurie, 1988 [IHPA doc.# 2183]; Simon, 1988 [IHPA doc.# 2524]; Mehrer, 1991 [IHPA doc.# 6601]; Keene, 1998 [IHPA doc.# 8937]; Poulson, 1997 [IHPA doc.# 8978]; Johnson & Bird, 1995 [IHPA doc.# 11218]; Johnson, 2003 [IHPA doc.# 13161]; Johnson, 2005 [IHPA doc.# 15133]; Stillwell, 2005 [IHPA doc.# 15554].

Regional Archaeologists Contacted: David Keene

Investigation Techniques: Surface inspection was conducted at 5-meter transect intervals over the entire project area. Sub-surface shovel testing was conducted at 15-meter transect intervals in those areas where ground surface visibility was less than 40%. All material excavated in this manner was screened for cultural material through ¼ inch hardware cloth.

Time expended: 4 person days

Sites/Find Spots Located: N/A

Cultural Material: N/A

Curated At: N/A

Collection Techniques: N/A

Area Surveyed (Acres & Square Meters): 29.09 acres / 117,723.005 square meters

Results Of Investigation And Recommendations: (Check One)

- ☒ Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination Of Eligibility Is Recommended.

Comments: SEE ADDITIONAL COMMENT SHEET

Archaeological Contractor Information:

Archaeological Contractor: Archaeological Research, Inc.

Address/Phone: 4147 North Ravenswood Avenue Suite 301 Chicago, Illinois 60613/ (773) 975-1753

Surveyor(s): Keene, Parrish, Ryder

Survey Date: 4- 23 & 24-08

Report Completed By: Keene & Parrish

Date: 5-08-08

Submitted By (Signature & Title):

 staff archaeologist

Attachment Check List: (#1 Through #4 are MANDATORY)

- ☒ 1) Relevant Portion Of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- ☒ 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits And Concentrations Of Cultural Materials;
- ☐ 3) Site Form(s):
- ☒ 4) All Relevant Project Correspondence;
- ☒ 5) Additional Information Sheets As Necessary.

Address Of Contracting Agency To Whom SHPO Comment Should Be Mailed:

HDR Engineering, Inc.
5426 Bay Center Dr.
Tampa, FL 33609-3444

Contact Person: Mr. Barry R. Wharton

Phone No. 813-282-2360

Reviewers Comments:

ADDITIONAL COMMENTS:

Archaeological inspection of the project area did not result in the location of any cultural material. Historic plat maps do not indicate the presence of any historic structures within the project area. Given the negative results of field inspection, as well as background documents further investigation is not considered likely to result in the location of significant cultural deposits in situ. Further investigation of this parcel is therefore not recommended.

REFERENCES CITED

Mapes, D.R.

- 1979 Soil Survey of DuPage and Part of Cook Counties, Illinois. United States Department of Agriculture, Soil Conservation Service, Washington, D.C.

Nelson, Ronald E.

- 1954 *Illinois: Land and Life in the Prairie State*. Kendall /Hunt, Dubuque.

Schwegman, John E.

- 1973 *Comprehensive Plan for the Illinois Nature Preserves System, Part 2 The Natural Divisions of Illinois*. Illinois Nature Preserves Commission, Rockford.

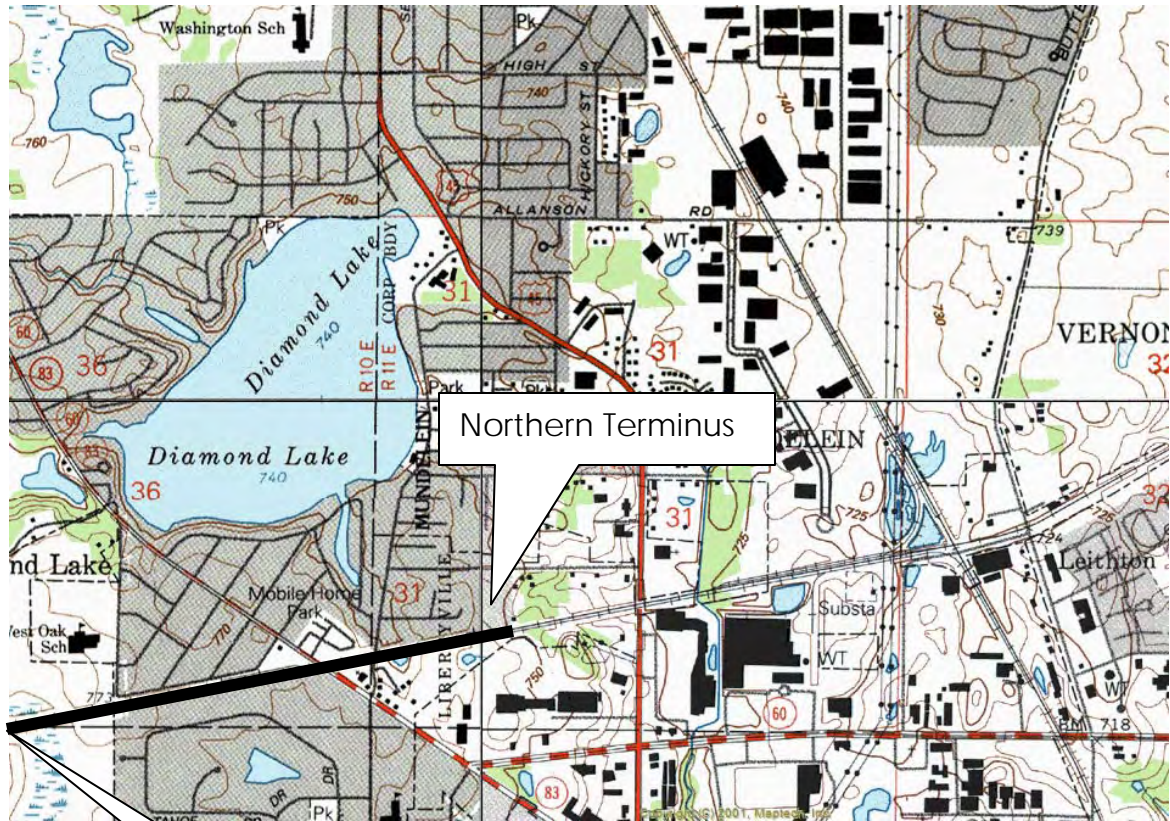
Willman, H.B.

- 1962 *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, Urbana.
- 1840 *General Land Office Plat Map of Illinois*. Library of Congress.
- 1861 *Plat Map of Lake County, Illinois*. L. Gast Bro. & Co., Lith.
- 1885 *Plat Map of Lake County, Illinois*. H.R. Page & Co.
- 1926 *Plat Map of Lake County, Illinois*. Thrift Press, Rockford.

OTHER REFERENCES

Illinois Archaeological Survey (IAS) site files housed at the Illinois State Museum, Springfield, Illinois.

Attachment 1: Project Location Map



Matchline A



Archaeological
RESEARCH, INC.

Lake County, Illinois
Wheeling & Lake Zurich IL 7.5 Minute USGS Quadrangles
T44N., R11E; Sections 31 and 32

Map Date:

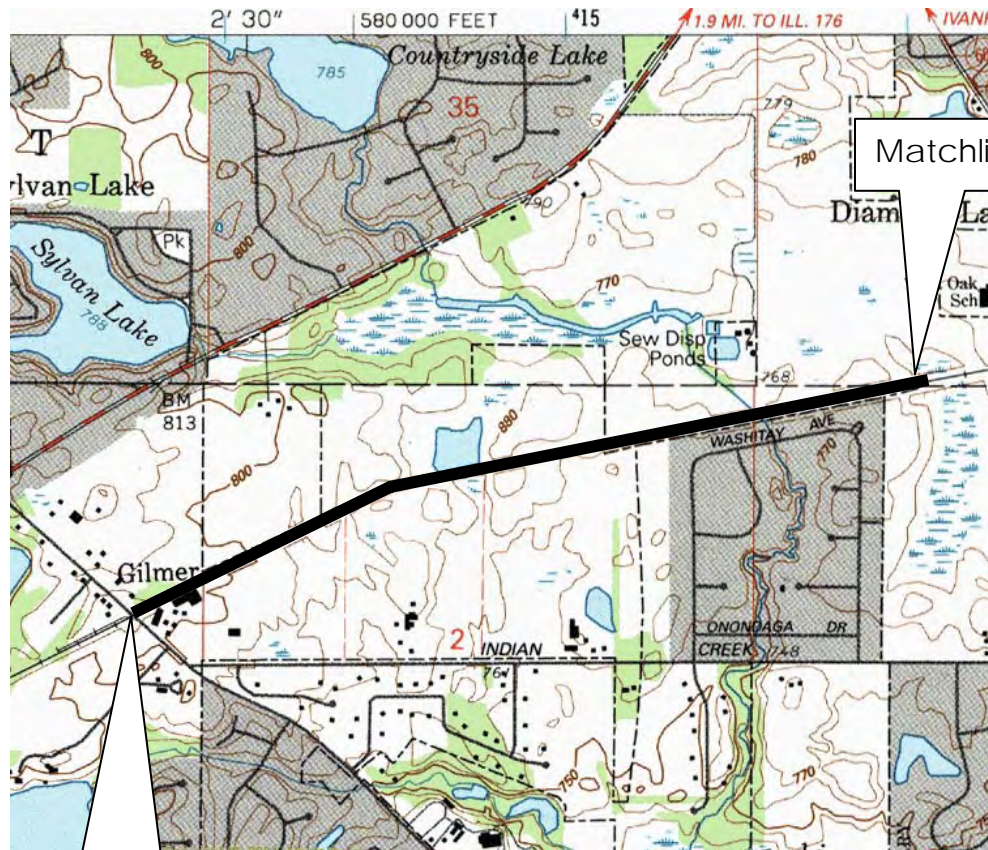
1990

Scale:

1: 24,000

Project No.:

Attachment 2. Project Location Map



Archaeological
RESEARCH, INC.

Lake County, Illinois
Lake Zurich IL 7.5 Minute USGS Quadrangles
T44N., R11E; Section 31
T44N., R10E; Section 36
T43N., R10E; Sections 1, 2, 3

Map Date:

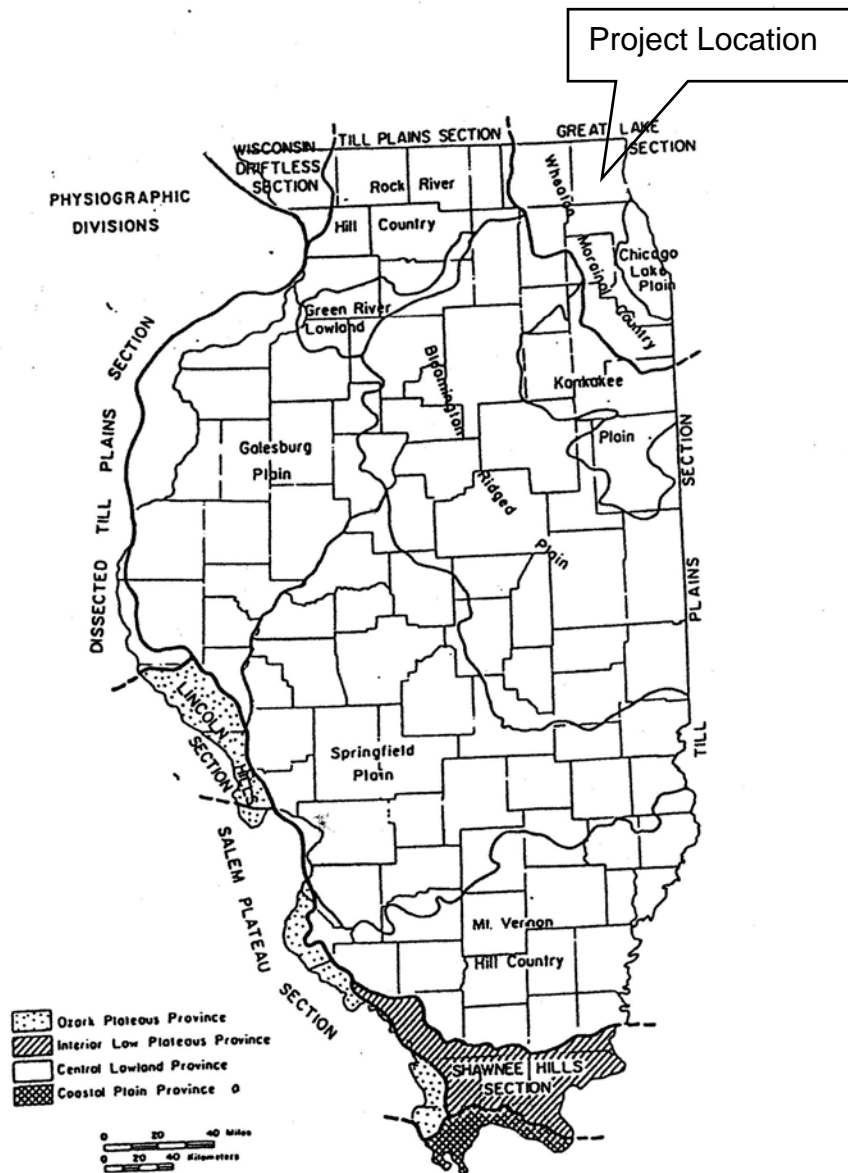
1990

Scale:

1: 24,000

Project No.:

Attachment 3. Physiographic Provinces of Illinois



Physiographic Provinces of Illinois (Willman 1975:16)

Attachment 4. Project Area Map Provided by the Client. 1 of 9.



Attachment 5. Project Area Map Provided by the Client. 2 of 9.



Attachment 6. Project Area Map Provided by the Client. 3 of 9.



Attachment 7. Project Area Map Provided by the Client. 4 of 9.



Attachment 8. Project Area Map Provided by the Client. 5 of 9.



Attachment 9. Project Area Map Provided by the Client. 6 of 9.



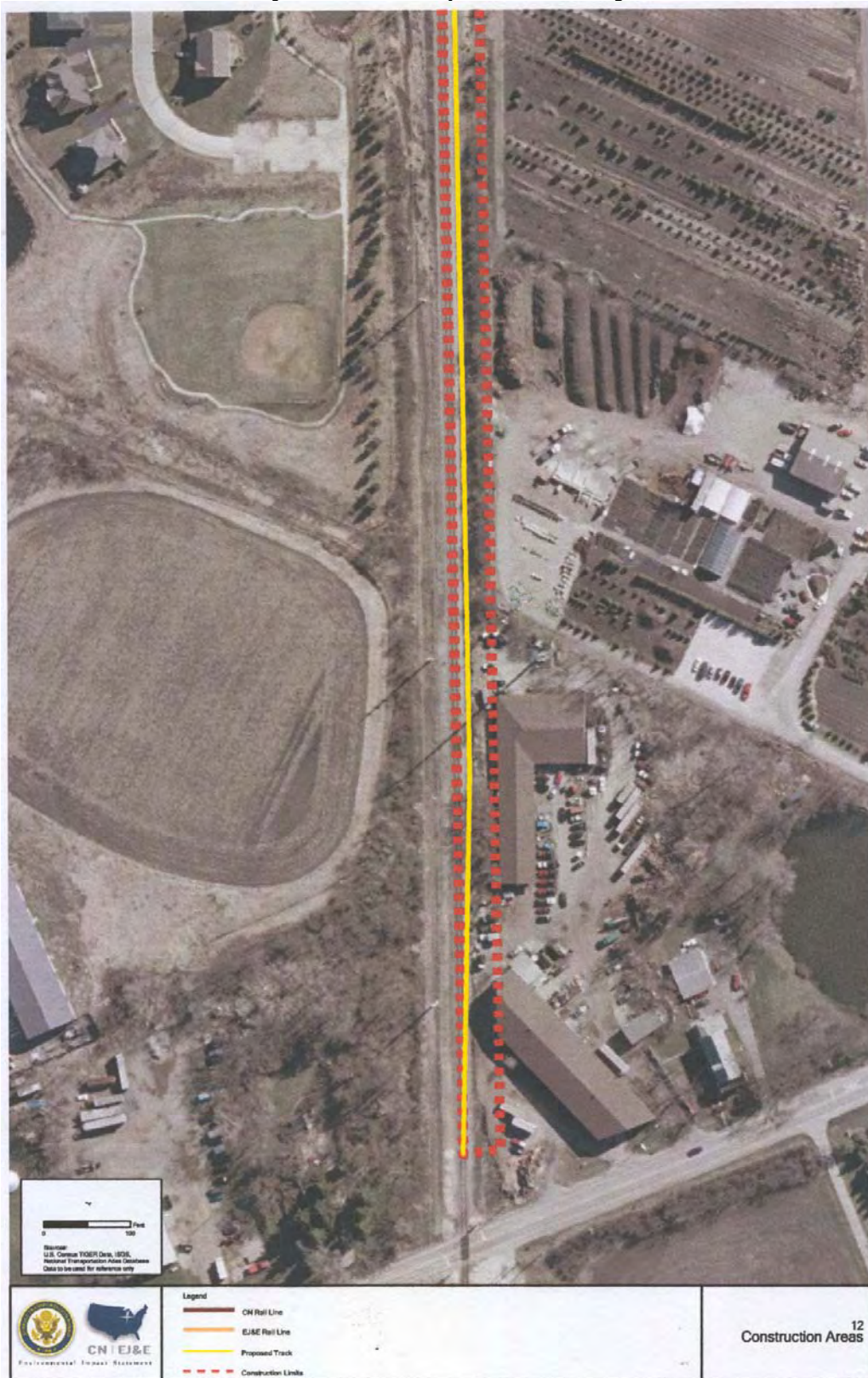
Attachment 10. Project Area Map Provided by the Client. 7 of 9.



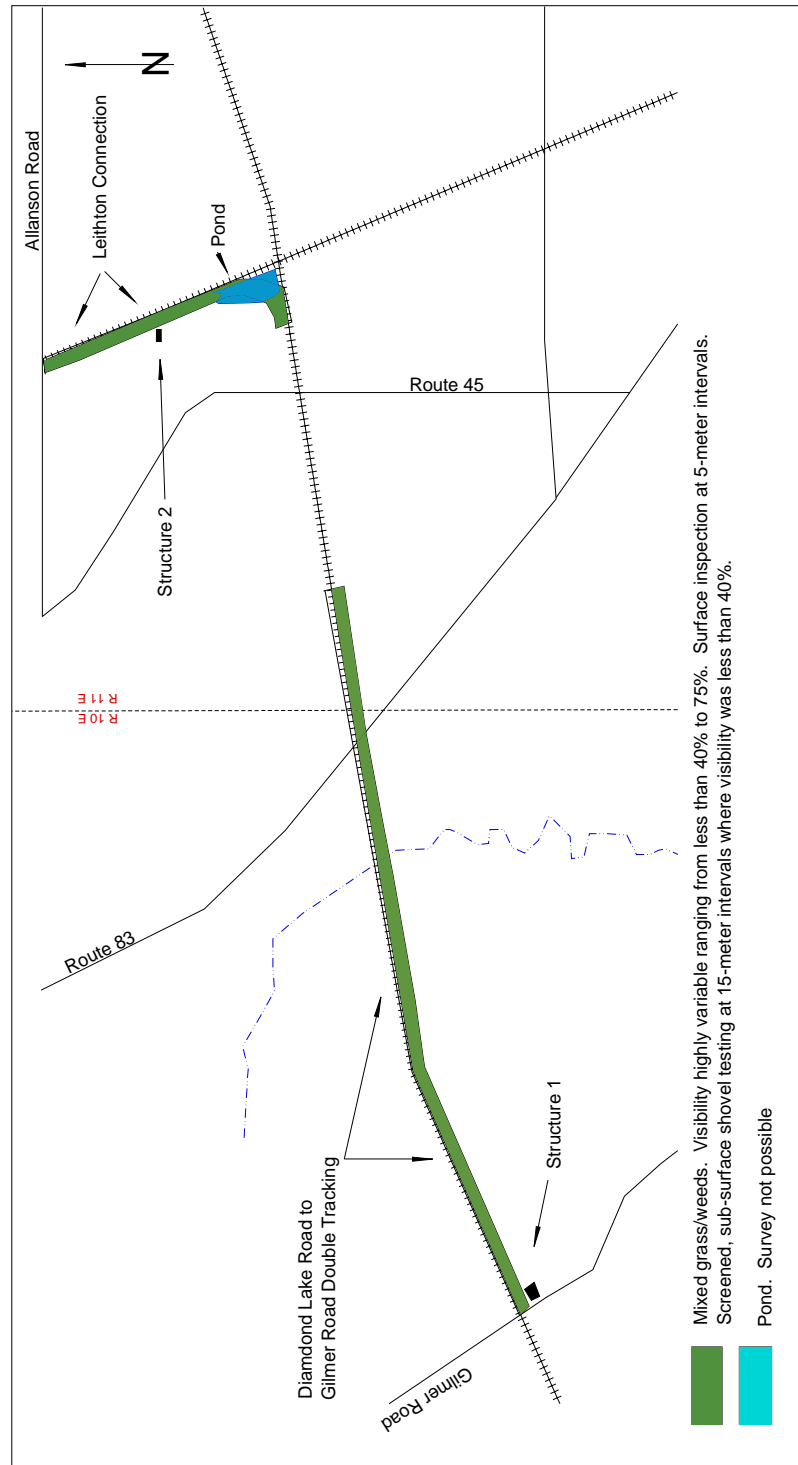
Attachment 11. Project Area Map Provided by the Client. 8 of 9.



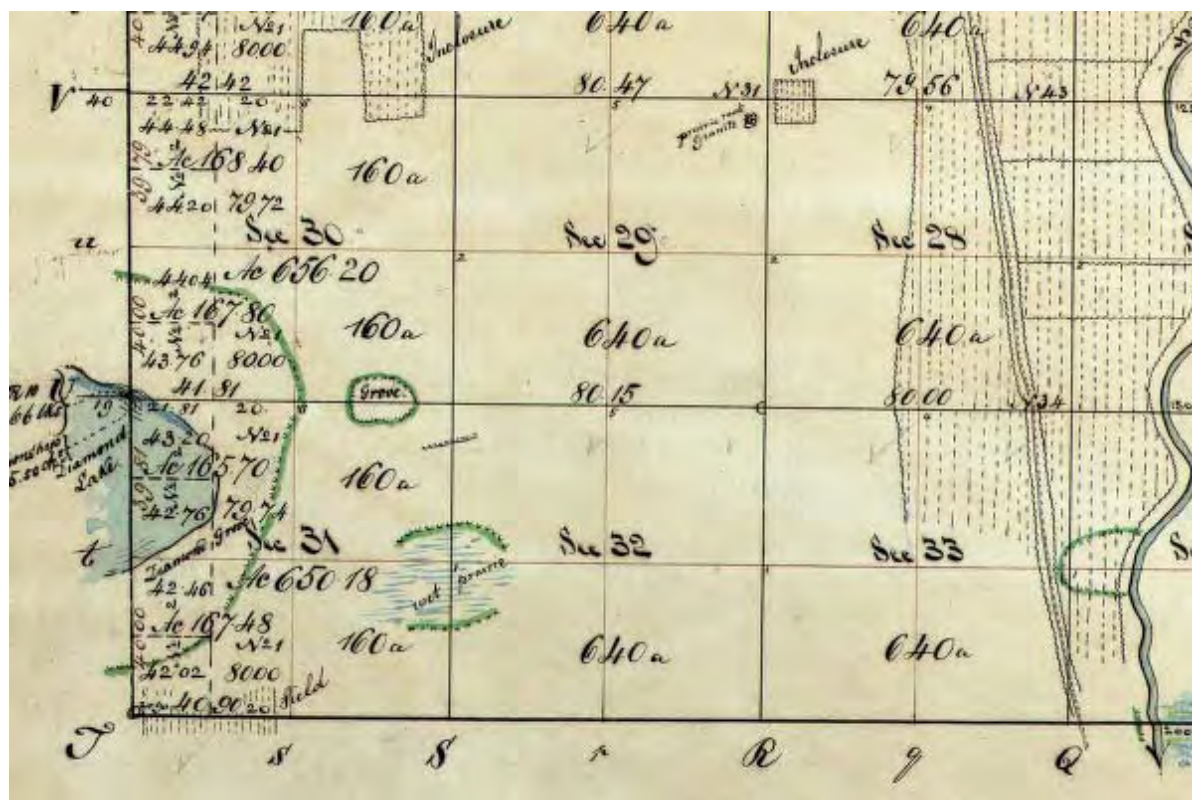
Attachment 12. Project Area Map Provided by the Client. 9 of 9.



Attachment 13. Sketch Map of the Project Area Showing Vegetation and Survey Methods.



Section 31

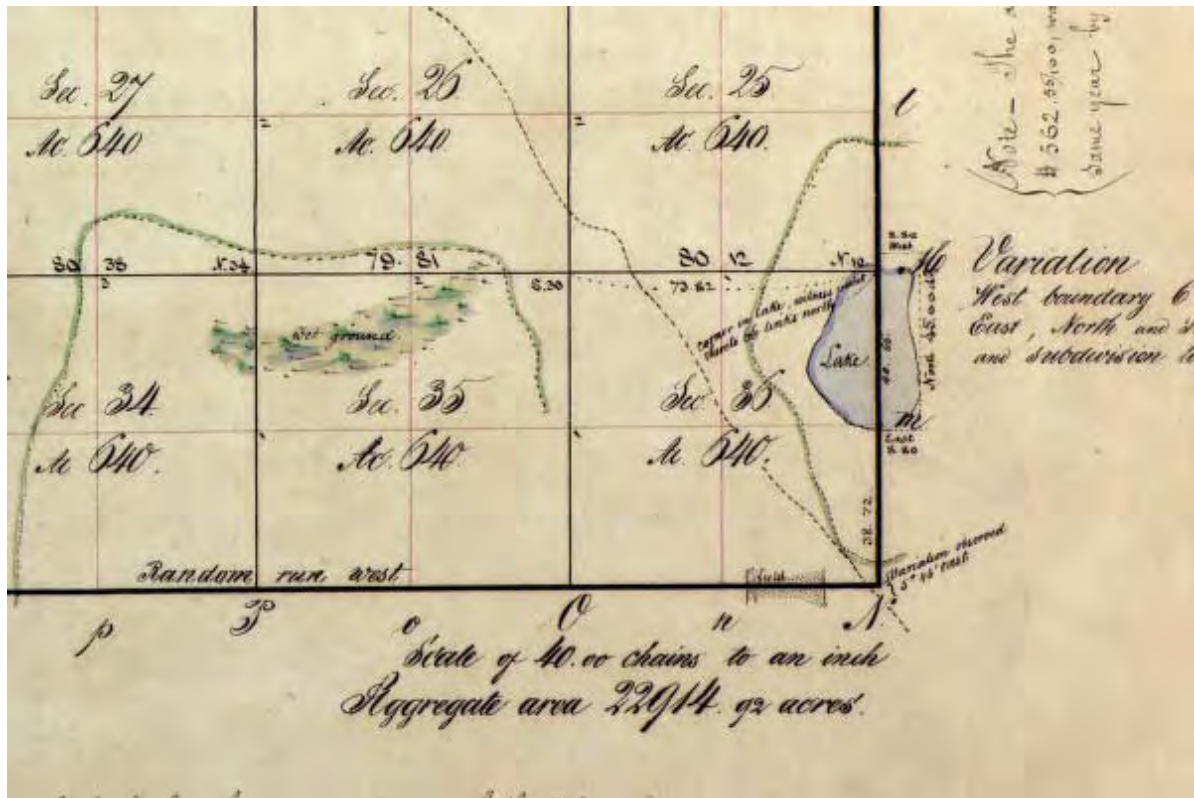


General Land Office Plat Map of Lake County, Illinois. Library of Congress, 1840.

Attachment 15. General Land Office Plat Map of Lake County, Illinois.

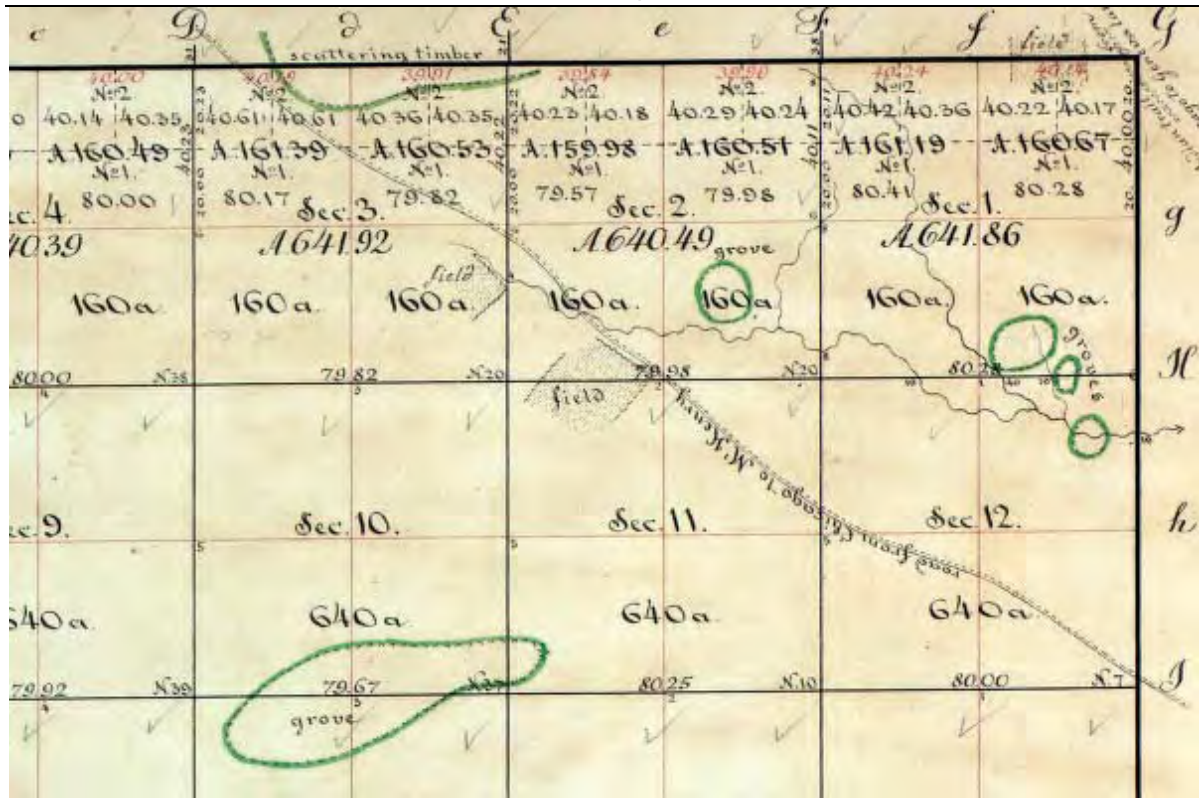
Township 44 North, Range 10 East

Section 36



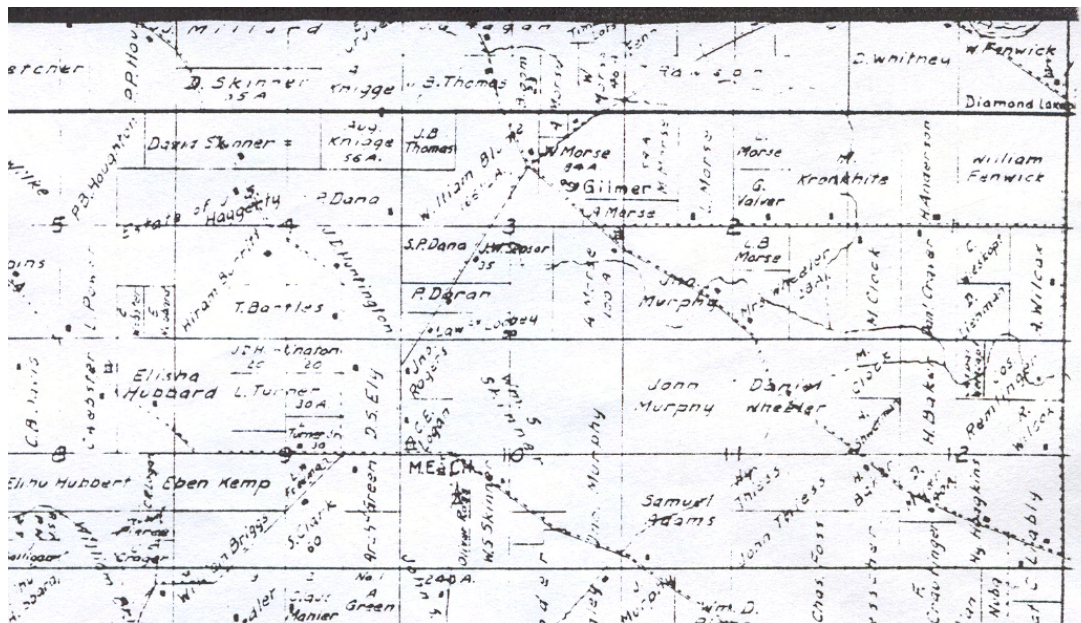
General Land Office Plat Map of Lake County, Illinois. Library of Congress, 1840.

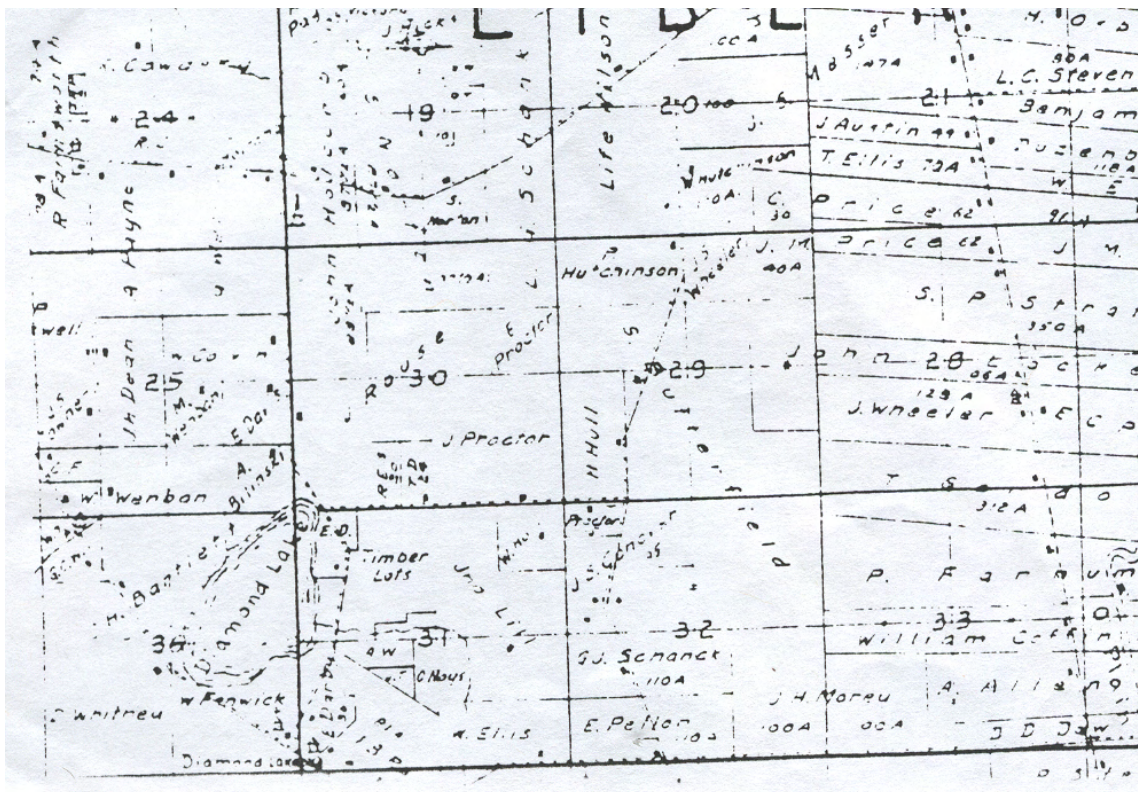
Attachment 16. General Land Office Plat Map of Lake County, Illinois.
Township 43 North, Range 10 East
Sections 1, 2 & 3



General Land Office Plat Map of Lake County, Illinois. Library of Congress, 1840.

1861





1885

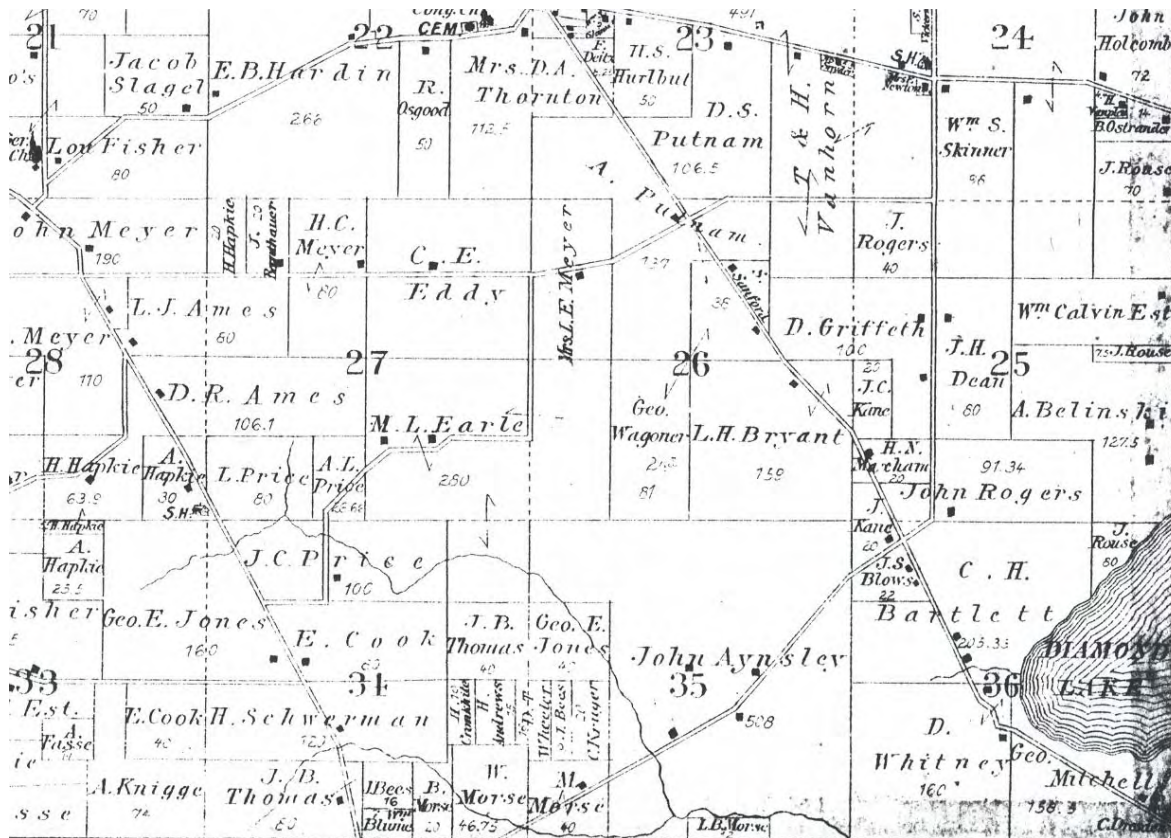


Attachment 20. Plat Map of Lake County, Illinois.

Fremont Township

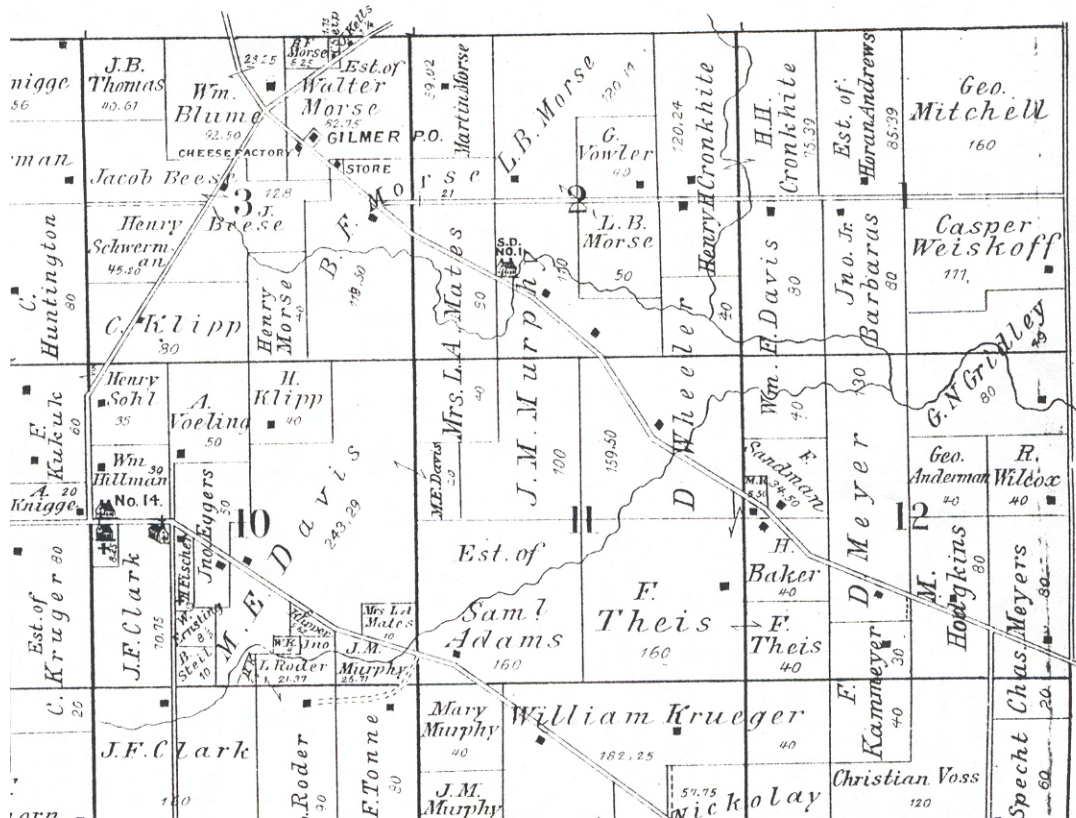
H.R. Page & Co.

1885



REFERENCES.

1885

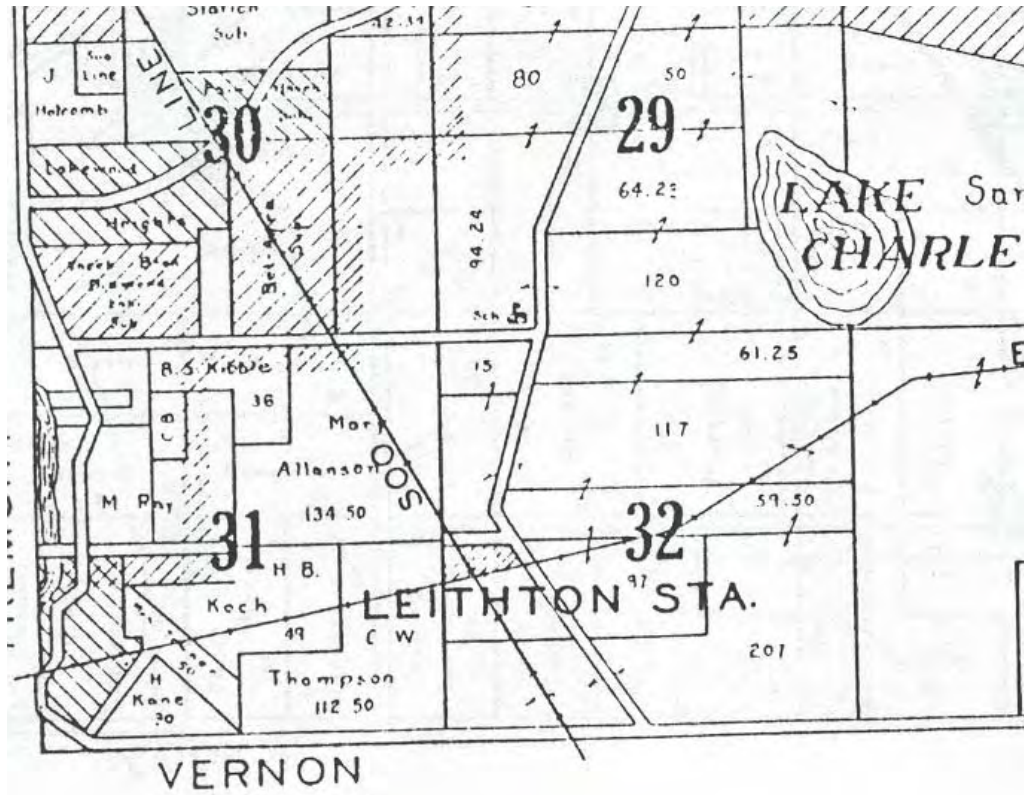


Attachment 22. Atlas-Plat Book of Lake County, Illinois.

Libertyville Township

Thrift Press

1926

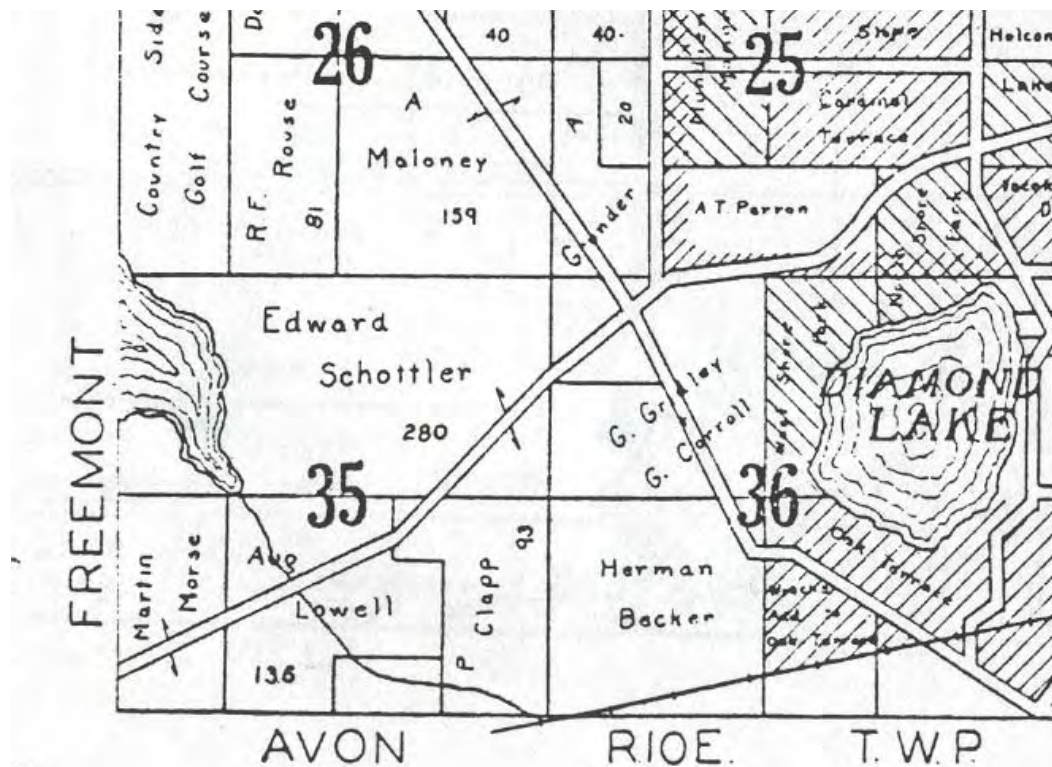


Attachment 23. Atlas-Plat Book of Lake County, Illinois.

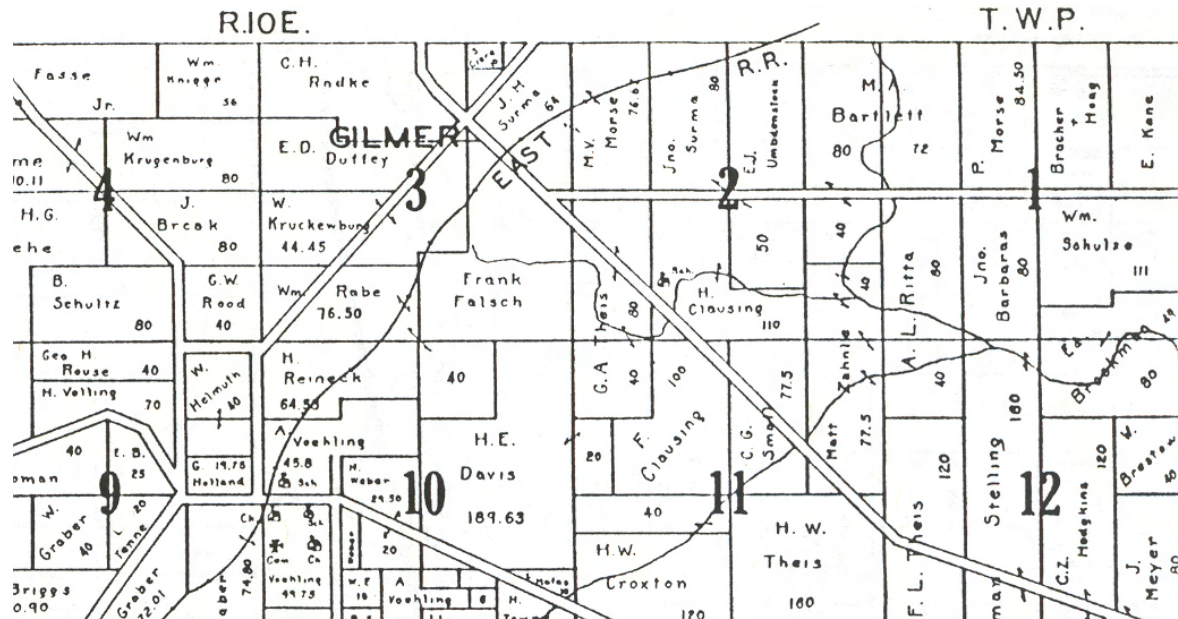
Freemont Township

Thrift Press

1926



1926



Attachment 25. Photographs of Standing Structures.



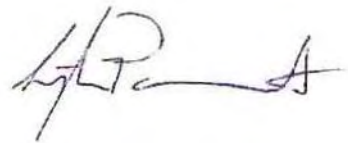
View to southeast. North elevation of Structure 1.

Results of a Phase I Archaeological Investigation
For the CN EJ&E Acquisition
Environmental Impact Statement
Proposed Munger Connection,
DuPage County, Illinois

Prepared for
Surface Transportation Board
Section of Environmental Analysis
and HDR Engineering, Inc.

Prepared by
Archaeological Research, Inc.
4147 N. Ravenswood Ave.
Chicago, IL 60613
(773) 975-1753
www.arch-res.com

This document was prepared by
Stephen W. Parrish, M.A., RPA
June 2008

A handwritten signature in dark ink, appearing to read 'S. W. Parrish', with a stylized flourish at the end.

Signature of Project Archaeologist, Steve Parrish

ARCHAEOLOGICAL SURVEY SHORT REPORT
Illinois Historic Preservation Agency
Old State Capitol Bldg., Springfield, IL 62701 (217/785-4997)

Reviewer _____
Date: _____
____ Accepted ____ Rejected

IHPA Log # _____
Locational Information and Survey Conditions
County: DuPage
Quadrangle: Aurora South

IHPA use only (Form ASSR0886)

Project Type/Title: Phase I/Munger Station

Funding &/or Permitting Fed./State Agencies: Surface Transportation Board - Office of Economics,
Environmental Analysis and Administration

Sec: 7 & 8

T.: 40 N R.: 9 E Natural Divis. (no.): 3a

Project Description: The client proposes to construct new rail lines within the project area.

Topography: The project area is located within the Wheaton Morainal physiographic province of Illinois. The Wheaton Morainal country is characterized by broad flat expanses (outwash plains) punctuated by the gently to steeply sloping moraines and till plains. Locally, the project area consists of gently undulating outwash plains.

Soils: Soils within the project area have been mapped as: Waupecan silt loam 2-4% slopes, Dunham silty clay loam 0-2% slopes, Muskego and Houghton Muck. Houghton series soils are very poorly drained soils on floodplains. These soils formed in herbaceous organic deposits and developed under a native vegetation of marsh grasses. Muskego series soils are very poorly drained soils situated on floodplains. These soils formed in a parent material of organic deposits and developed under a native vegetation of grasses, sedges, and reeds. Dunham series soils are situated on depressions on outwash plains. These soils formed in loess and the underlying outwash, and developed under a native vegetation of water tolerant grasses. Waupecan series soils are situated on outwash plains and stream terraces. These soils formed in a parent material of outwash, and developed under a native vegetation of prairie grass.

Drainage: The project area is drained by an unnamed drainage that drains into Brewster Creek, which in turn drains into the Fox River.

Land Use/Ground Cover (Include % Visibility): The majority of the project area is contained within grassland. A small portion of the project area is contained within a cornfield as well as a small area of wetland. Vegetation within the grassland portion of the project area was grass and weeds. Ground surface visibility in this area was 60%. Vegetation within the cornfield consisted of corn stubble. Ground surface visibility in this area was 80%. Vegetation within the wetland was reeds and water tolerant grasses. Wetland areas could not be surveyed due to standing water.

Survey Limitations: There were no limitations to a comprehensive survey of the project area.

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

Historic Plats/Atlases/Sources:

IAS site files for DuPage County, Plat & Atlas of DuPage County, Illinois: 1842 (GLO); 1862 (Bennet & Brooks); 1874(Thompson Brothers & Burr), ARI site files for DuPage County.

Previously Reported Sites: There are no previously reported sites within the project area. There are ten previously reported sites (246, 247, 248, 249, 250, 252, 253, 254, 255) within one mile of the project area.

Previous Surveys: The project area has not been previously surveyed. Previous surveys within one mile include the following: Kahl, 1995 [IHPA doc.# 6962]; Hamlen, 1996 [IHPA doc.# 7252]; Poulson, 1998 [IHPA doc.# 9104]; McElrath, 1999 [IHPA doc.# 10611]; Poulson & Parrish, 2000 [IHPA doc.# 12025]; Poulson & Parrish, 2000 [IHPA doc.# 12026]; Poulson, 2001 [IHPA doc.# 12027].

Regional Archaeologists Contacted: David Keene

Investigation Techniques: Surface inspection was conducted at 5-meter transect intervals over the entire project area.

Time expended: 2 person days

Sites/Find Spots Located: N/A

Cultural Material: N/A

Curated At: N/A

Collection Techniques: N/A

Area Surveyed (Acres & Square Meters): 15 acres / 60,705 square meters

Results Of Investigation And Recommendations: (Check One)

- ☒ Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination Of Eligibility Is Recommended.

Comments: SEE ADDITIONAL COMMENT SHEET

Archaeological Contractor Information:

Archaeological Contractor: Archaeological Research, Inc.

Address/Phone: 4147 North Ravenswood Avenue Suite 301 Chicago, Illinois 60613/ (773) 975-1753

Surveyor(s): Parrish

Survey Date: 4-3,22-08

Report Completed By: Steve Parrish

Date: 4-30-08

Submitted By (Signature & Title):

 staff archaeologist

Attachment Check List: (#1 Through #4 are MANDATORY)

- ☒ 1) Relevant Portion Of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- ☒ 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits And Concentrations Of Cultural Materials;
- ☐ 3) Site Form(s):
- ☒ 4) All Relevant Project Correspondence;
- ☒ 5) Additional Information Sheets As Necessary.

Address Of Contracting Agency To Whom SHPO Comment Should Be Mailed:

HDR Engineering, Inc.
5426 Bay Center Dr.
Tampa, FL 33609-3444

Contact Person: Mr. Barry R. Wharton

Phone No. 813-282-2360

Reviewers Comments:

ADDITIONAL COMMENTS:

Archaeological inspection of the project area did not result in the location of any cultural material. Historic plat maps do not indicate the presence of any historic structures within the project area. Given the negative results of field inspection, as well as background documents, further investigation is not considered likely to result in the location of significant cultural deposits in situ. Further investigation of this parcel is therefore not recommended.

REFERENCES CITED

Mapes, D.R.

- 1979 Soil Survey of DuPage and Part of Cook Counties, Illinois. United States Department of Agriculture, Soil Conservation Service, Washington, D.C.

Nelson, Ronald E.

- 1954 *Illinois: Land and Life in the Prairie State*. Kendall /Hunt, Dubuque.

Schwegman, John E.

- 1973 *Comprehensive Plan for the Illinois Nature Preserves System, Part 2 The Natural Divisions of Illinois*. Illinois Nature Preserves Commission, Rockford.

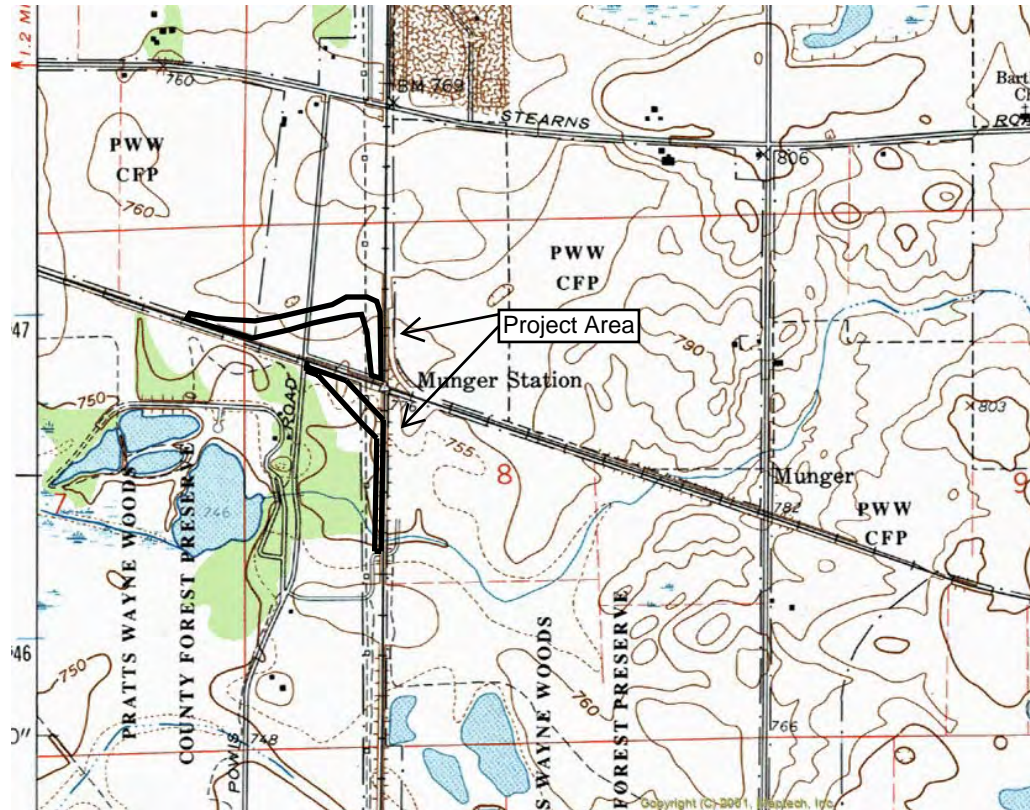
Willman, H.B.

- 1962 *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, Urbana.
- 1842 *General Land Office Plat Map of Illinois*. Library of Congress.
- 1862 *Map of DuPage County, Illinois*. L..G. Bennett, and H. Brooks, Publisher.
- 1874 *Atlas of the DuPage County*, Thompson Brothers & Burr.

OTHER REFERENCES

Illinois Archaeological Survey (IAS) site files housed at the Illinois State Museum, Springfield, Illinois.

Attachment 1: Project Location Map



Archaeological
RESEARCH, INC.

DuPage County, Illinois
West Chicago, IL 7.5 Minute USGS Quadrangle
T40N., R9E; Sections 7 and 8

Map Date:

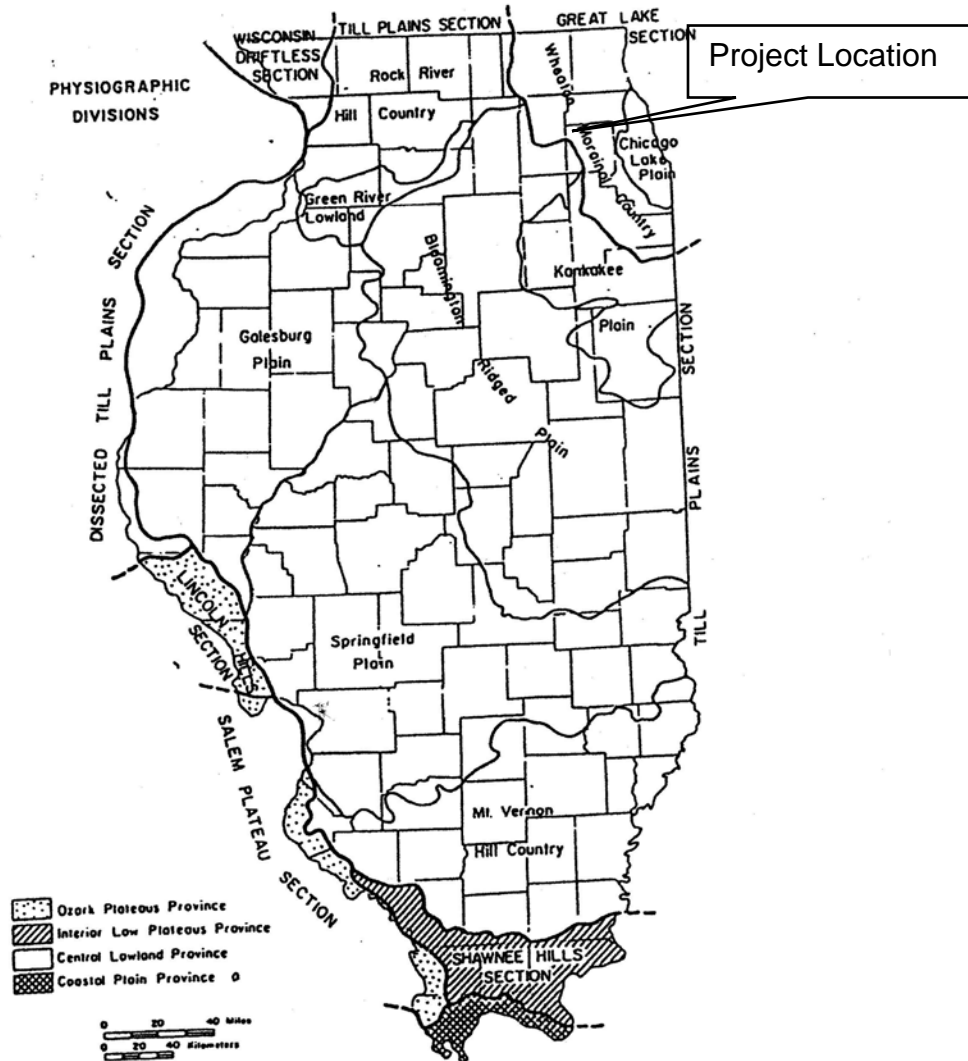
1980

Scale:

1: 24,000

Project No.:

Attachment 2. Physiographic Provinces of Illinois

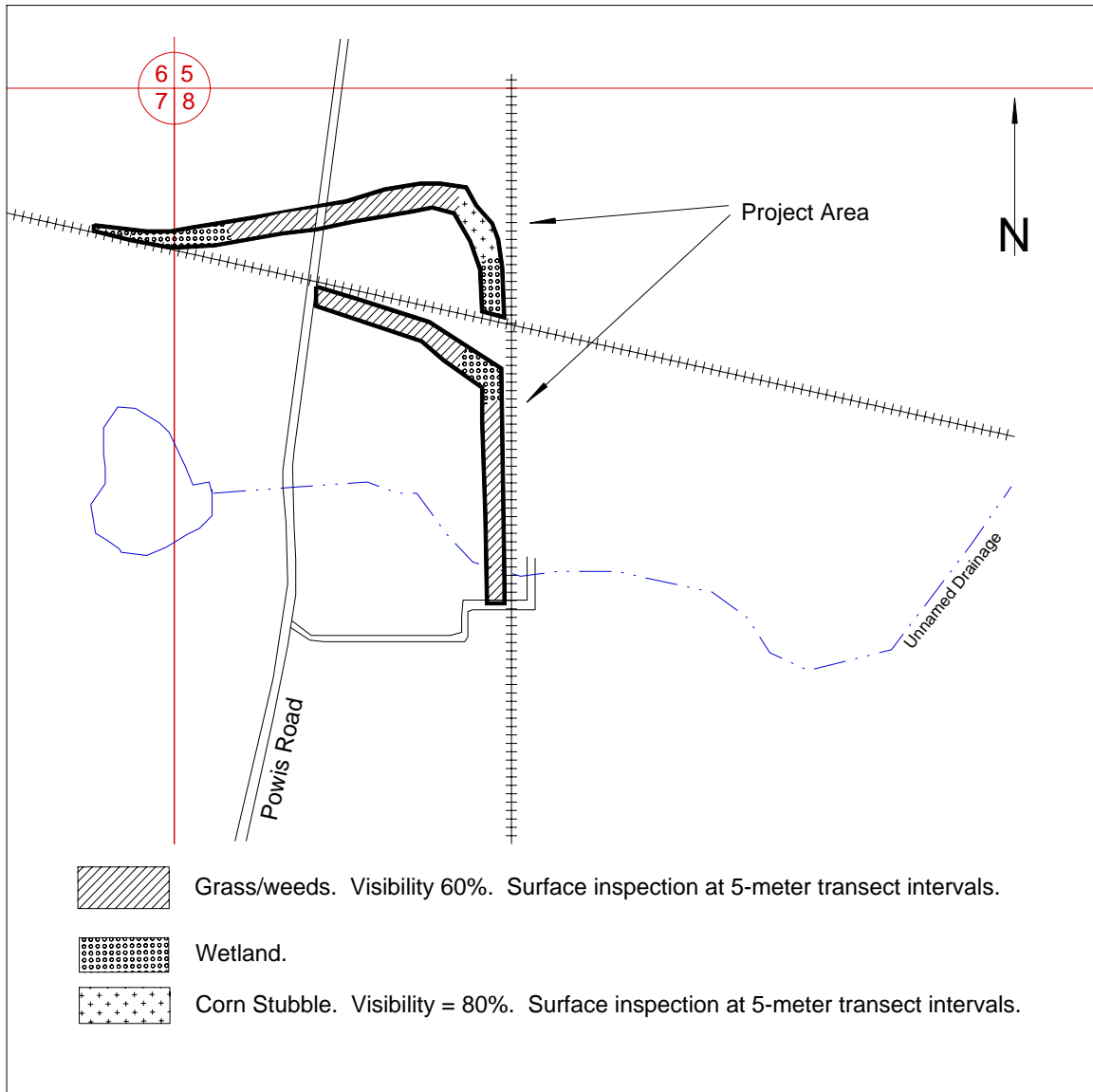


Physiographic Provinces of Illinois (Willman 1975:16)

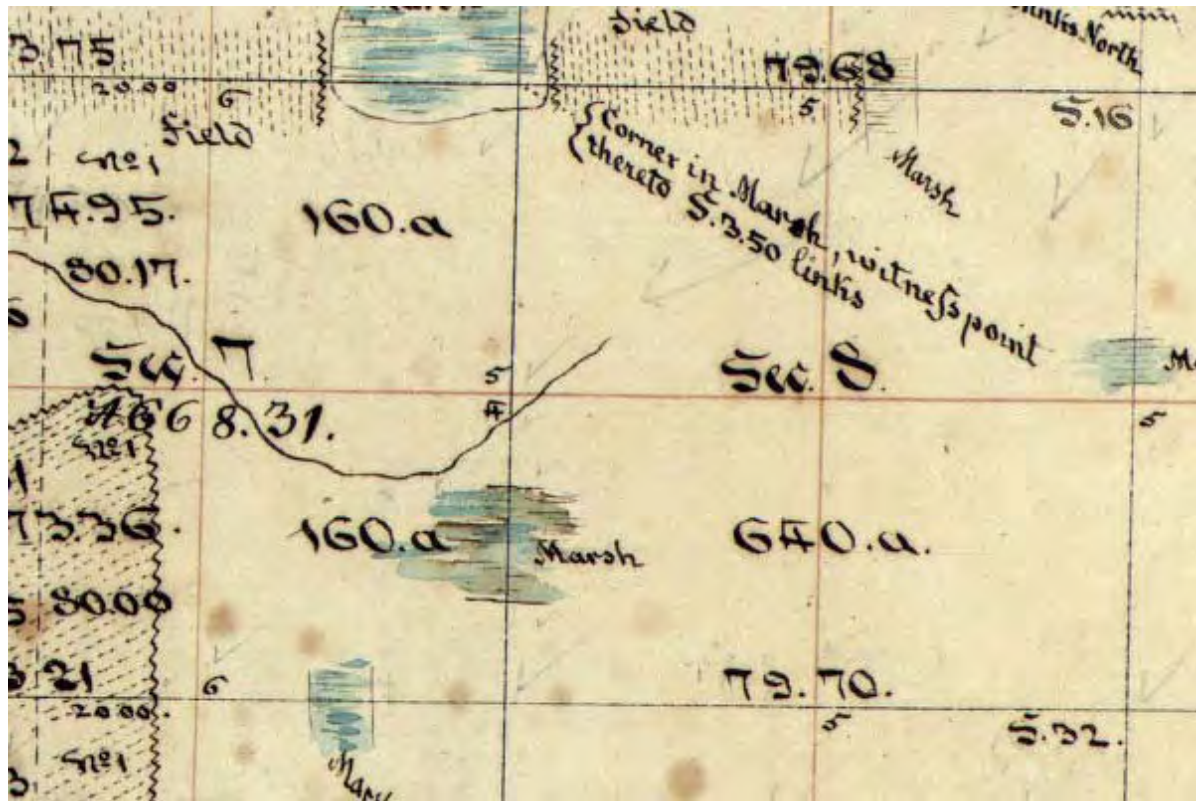
Attachment 3. Project Area Map Provided by the Client



Attachment 4. Sketch Map of the Project Area Showing Vegetation and Survey Methods.

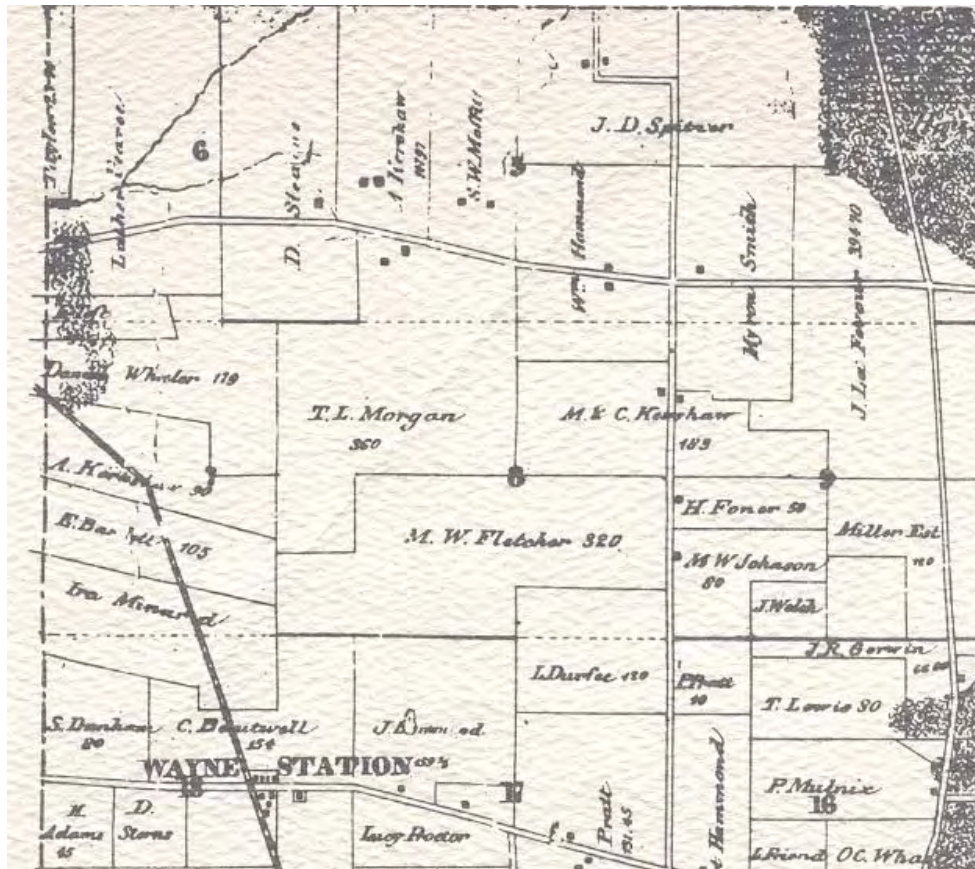


Attachment 5. General Land Office Map.



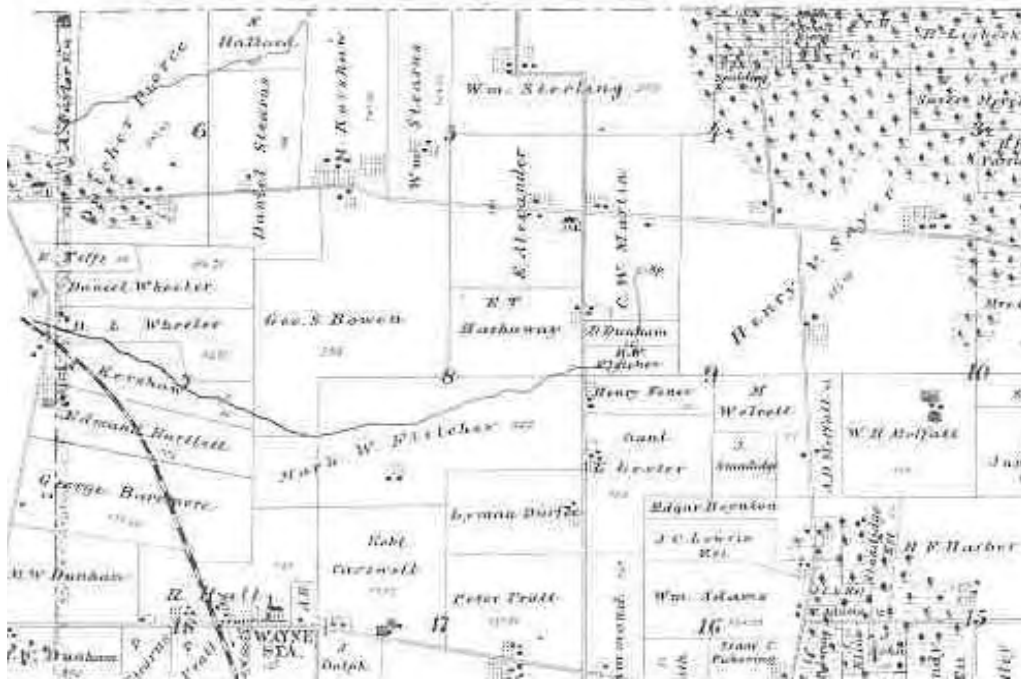
1842 General Land Office Plat Map.

Attachment 6. 1862 Plat Map of the Project Area



Map of DuPage County, Illinois. L.G. Bennet & Horace Brooks.

Attachment 7. 1874 DuPage County Atlas



Atlas of DuPage County, Illinois. Thompson Brothers and Burr.

Attachment 8. Photos of Project Area.



View of project area looking southeast from Powis Road.



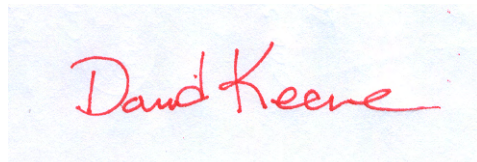
View of project area looking north from southern terminus.

Results of a Phase I Archaeological Investigation
For the CN EJ&E Acquisition
Environmental Impact Statement
Proposed East Siding to Walker, Illinois Connection,
DuPage & Will Counties, Illinois

Prepared for
Surface Transportation Board
Section of Environmental Analysis
and HDR Engineering, Inc.

Prepared by
Archaeological Research, Inc.
4147 N. Ravenswood Ave
Chicago, IL 60613
(773) 975-1753
www.arch-res.com

This document was prepared by
David Keene, Ph.D., RPA
June 2008

A handwritten signature in red ink that reads "David Keene". The signature is written in a cursive style and is positioned above a light blue rectangular background.

Signature of Project Archaeologist, David Keene

ARCHAEOLOGICAL SURVEY SHORT REPORT
Illinois Historic Preservation Agency
Old State Capitol Bldg., Springfield, IL 62701 (217/785-4997)

Reviewer _____
Date: _____
____Accepted ____Rejected

IHPA Log # _____

IHPA use only (Form ASSR0886)

Locational Information and Survey Conditions

County: DuPage & Will

Quadrangle: Naperville, Normantown

Project Type/Title: Phase I/East Siding to Walker Double Tracking

Funding &/or Permitting Fed./State Agencies: Surface Transportation Board - Office of Economics, Environmental Analysis and Administration

Sec: 14, 15, 22, 23, 25, 26

T.: 35 N

R.: 10 E

Natural Divis. (no.): 3a

25, 29, 30, 28, 27, 26, 25

35 N

11 E

30

35 N

12 E

Project Description: The client proposes to construct new rail lines adjacent to existing rail lines and within existing railroad right of way within the project area. The project corridor begins north of Liberty Road in DuPage County, and ends just south of Chapins Road in Will County, Illinois.

Topography: The project area is located within the Bloomington Ridged Plain Physiographic Province of Illinois. The Bloomington Ridge Plain is characterized by relatively low relief, unconsolidated drainage networks and morainal ridges that are not as pronounced as those of the adjacent Wheaton Morainal Country. Locally, the project area consists of essentially flat, previously graded railroad right of way.

Soils: Soils within the project area have been mapped as: Drummer silty clay loam 0-2% slopes, Elpaso silty clay loam 0-2% slopes, Graymont silt loam 2-5% slopes and Chenoa silty clay loam 0-2% slopes. Drummer series soils are situated on outwash plains, formed in a parent material of outwash and developed under a native vegetation of hydrophytic grasses. Elpaso series soils are situated on uplands, formed in a parent material of glacial till and developed under a native vegetation of marsh grasses and sedges. Graymont series soils are situated on till plains, formed in a parent material of glacial till and developed under a native vegetation of prairie grass. Chenoa series soils are situated on till plains. These soils formed in a parent material of glacial till and developed under a native vegetation of prairie grass.

Drainage: The northern portion of the project area is drained primarily by Waubonsie Creek, which drains into the Fox River. The southern portion of the project area is drained primarily by unnamed drainages that drain into the DuPage River.

Land Use/Ground Cover (Include % Visibility): The project is contained entirely within existing railroad right of way. The project area has been previously disturbed by grading and construction activities associated with railroad construction and maintenance. The majority of the project area is covered by rock. A few small, areas of weeds were encountered. Ground surface visibility was 80-95%.

Survey Limitations: There were no limitations to a comprehensive survey of the project area.

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

Historic Plats/Atlases/Sources:

IAS site files for DuPage & Will Counties, Plat & Atlas of DuPage & Will Counties, Illinois: 1839(GLO); 1842 (GLO) 1873 (Thompson Brothers & Burr); 1874 (Thompson Brothers & Burr); 1862 (L.G. Bennett & H. Brooks); 1909 (Ogle & Co.) ARI site files for DuPage & Will Counties.

Previously Reported Sites: There are four previously reported sites adjacent to the project area. These sites include: 11WI2991, 11WI806, 11WI796 & 11WI760.

Previous Surveys: The project area has not been previously surveyed. Surveys adjacent to the project area included the following IHPA document numbers: 4020, 16099, 14063, 7940, 10967, 4936, 5097, 8278, 16459, 10432, 12599, 10261, 13771, 13551, 4459, 10340, 13641.

Regional Archaeologists Contacted: David Keene

Investigation Techniques: Surface inspection was conducted at 5-meter transect intervals over the entire project area. Periodic shovel testing was also conducted. All material excavated in this manner was screened for cultural material through ¼ inch hardware cloth.

Time expended: 7 person days

Sites/Find Spots Located: N/A

Cultural Material: N/A

Curated At: N/A

Collection Techniques: N/A

Area Surveyed (Acres & Square Meters): 84.85 acres / 343,375.77 square meters

Results Of Investigation And Recommendations: (Check One)

- ☒ Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination Of Eligibility Is Recommended.

Comments: SEE ADDITIONAL COMMENT SHEET

Archaeological Contractor Information:

Archaeological Contractor: Archaeological Research, Inc.

Address/Phone: 4147 North Ravenswood Avenue Suite 301 Chicago, Illinois 60613/ (773) 975-1753

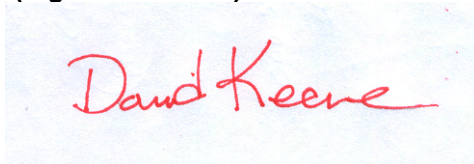
Surveyor(s): Keene, Ryder, Parrish

Survey Date: 6/5,6,9,10/08

Report Completed By: Keene & Parrish

Date: 6-27-08

Submitted By (Signature & Title):



staff archaeologist

Attachment Check List: (#1 Through #4 are MANDATORY)

- ☒ 1) Relevant Portion Of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- ☒ 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits And Concentrations Of Cultural Materials;
- ☐ 3) Site Form(s):
- ☒ 4) All Relevant Project Correspondence;
- ☒ 5) Additional Information Sheets As Necessary.

Address Of Contracting Agency To Whom SHPO Comment Should Be Mailed:

HDR Engineering, Inc.
5426 Bay Center Dr.
Tampa, FL 33609-3444

Contact Person: Mr. Barry R. Wharton

Phone No. 813-282-2360

Reviewers Comments:

ADDITIONAL COMMENTS:

Archaeological inspection of the project area did not result in the location of any cultural material. Historic plat maps do not indicate the presence of any historic structures within the project area. The majority of the project area has been previously disturbed by the construction of existing railroads. Given the negative results of field inspection, as well as background documents, and previous disturbances to the project area, further investigation is not considered likely to result in the location of significant cultural deposits in situ. Further investigation of this parcel is therefore not recommended.

References Cited

Mapes, D.R.

- 1979 Soil Survey of DuPage and Part of Cook Counties, Illinois. United States Department of Agriculture, Soil Conservation Service, Washington, D.C.

Nelson, Ronald E.

- 1954 *Illinois: Land and Life in the Prairie State*. Kendall/Hunt, Dubuque.

Schwegman, John E.

- 1973 *Comprehensive Plan for the Illinois Nature Preserves System Part 2, the Natural Divisions of Illinois*. Illinois Nature Preserves Commission, Rockford.

Wascher, H.L., P.T. Veale, and R.T. Odell

- 1962 *Will County Soils*. Soil Report 80. Soil Conservation Service, U.S. Department of Agriculture, Washington D.C.

Willman, H.B.

- 1977 *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, Urbana.

1839 *General Land Office Plat Map of Will County, Illinois*. Library of Congress.

1842 *General Land Office Plat Map of DuPage County, Illinois*. Library of Congress.

1862 *Map of DuPage County, Illinois*. L.G. Bennett & H. Brooks.

1873 *New Combination Atlas of Will County, Illinois*. Thompson Brothers & Burr.

1874 *Combination Atlas Map of DuPage County, Illinois*. Thompson Brothers & Burr.

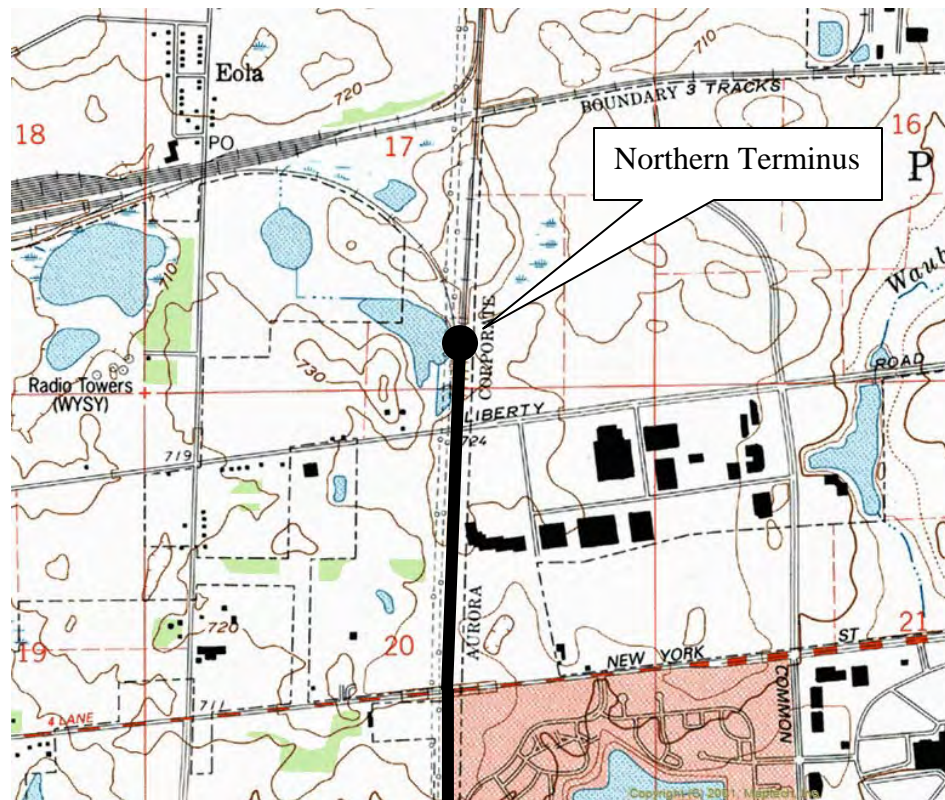
1909 *Standard Atlas of Will County, Illinois*. George A. Ogle & Co.

Other References

Illinois Archaeological Survey (IAS) site files. Illinois State Museum, Springfield

Albert F. Scharf maps housed at the Chicago Historical Society, Chicago.

Attachment 1: Project Location Map



Archaeological
 RESEARCH, INC.

DuPage County, Illinois
 Naperville IL 7.5 Minute USGS Quadrangles
 T38N., R9E; Sections 17, 20, 29

Map Date:

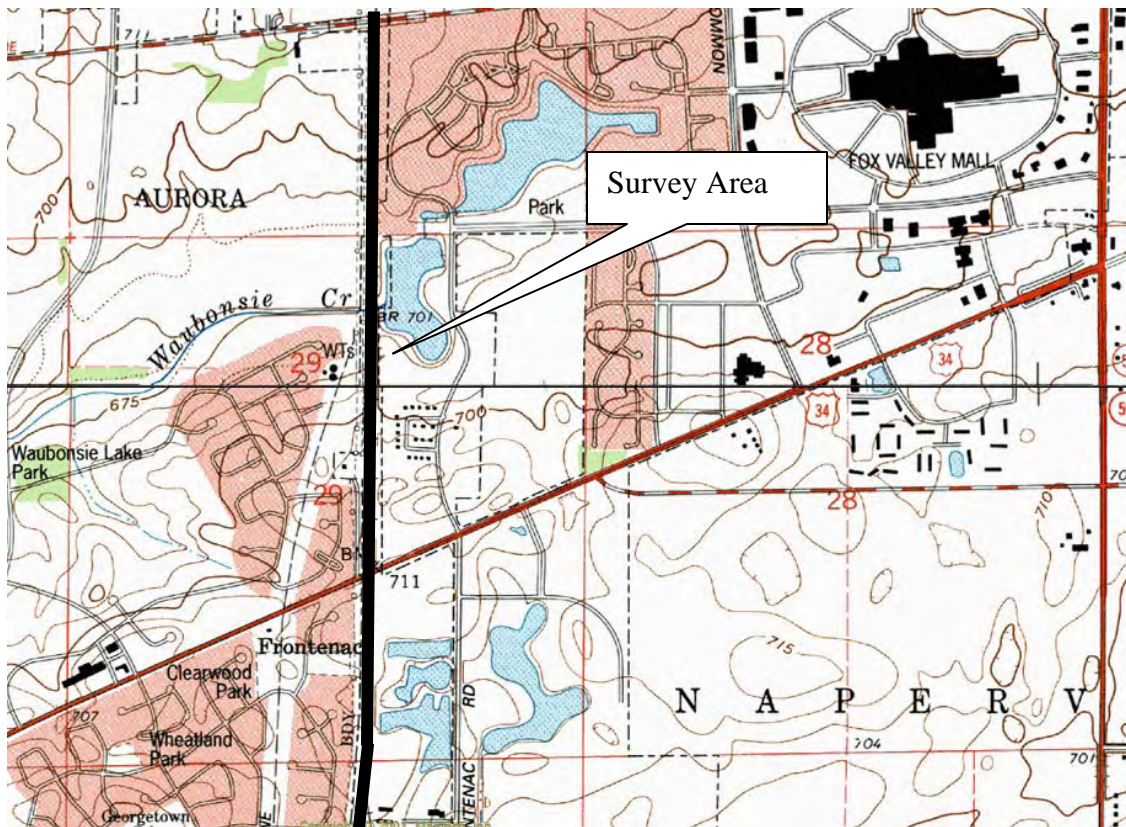
1990

Scale:

1: 24,000

Project No.:

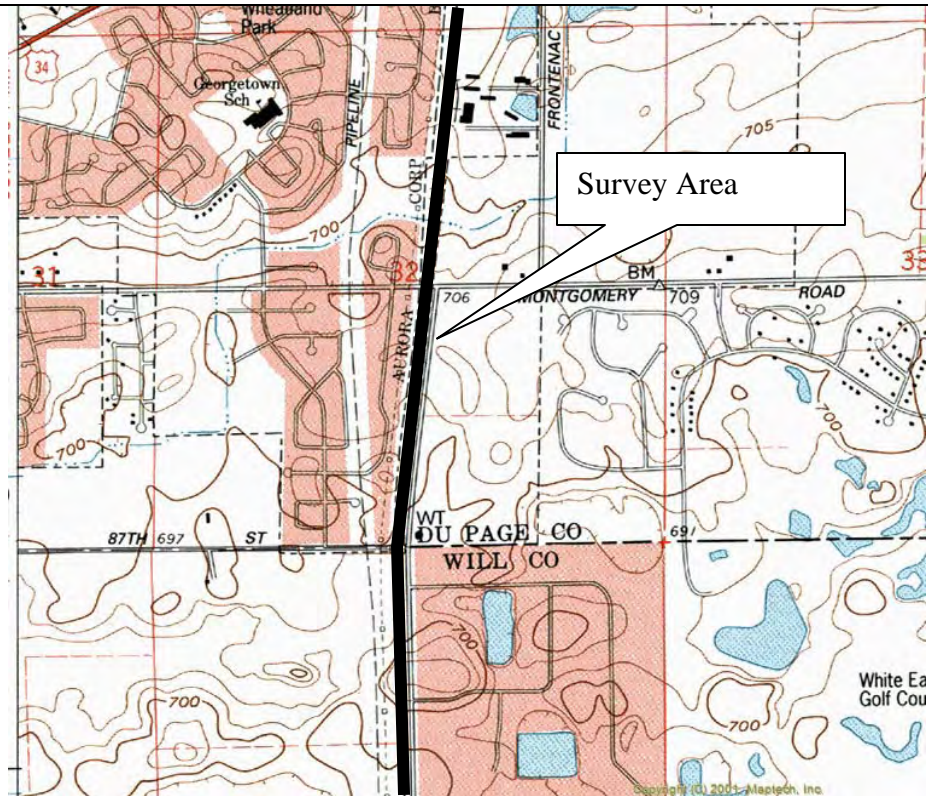
Attachment 2. Project Location Map



	DuPage County, Illinois Normantown IL 7.5 Minute USGS Quadrangles T38N R9E Sections 29, 32		
	Map Date: 1990	Scale: 1: 24,000	Project No.:

Attachment 3. Project Location Map

Phase I Archaeological Investigation
 CN EJ&E Acquisition
 East Siding to Walker Double Tracking
 DuPage & Will Counties, Illinois
 Attachment No. 3



Archaeological
 RESEARCH, INC.

DuPage & Will County, Illinois
 Normantown IL 7.5 Minute USGS Quadrangles
 T38N R9E Section 29, 32, 5

Map Date:

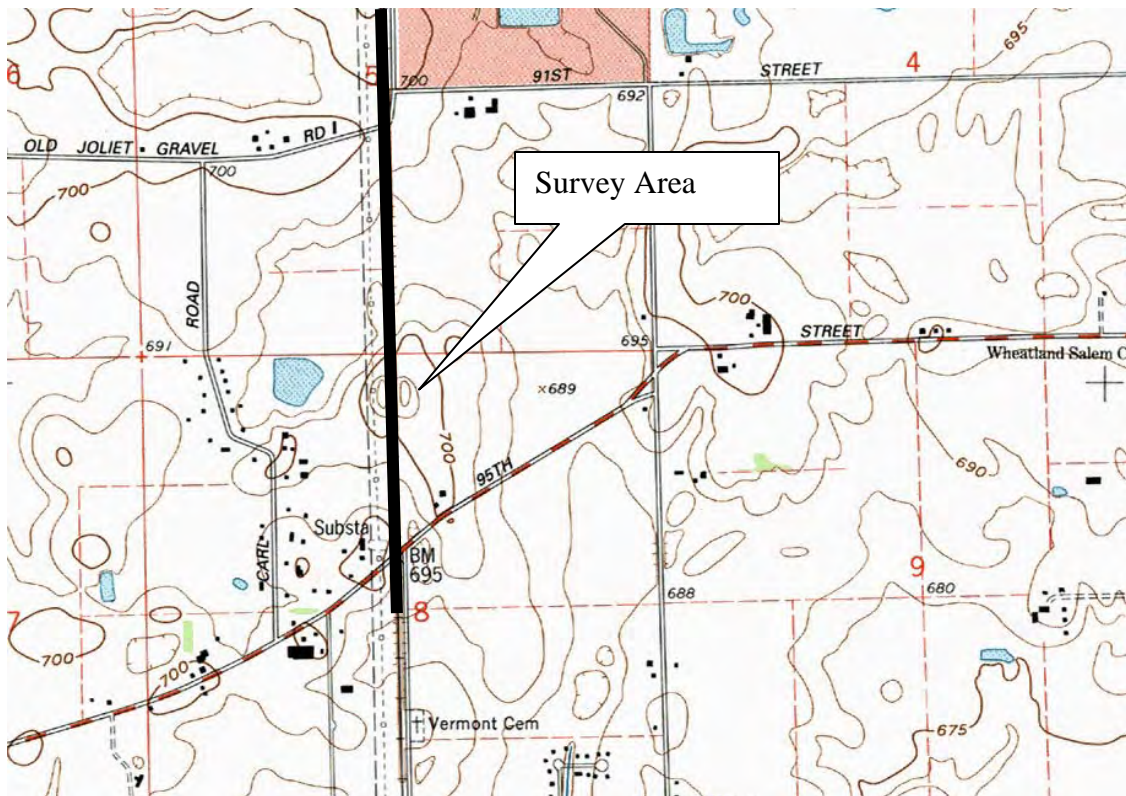
1990

Scale:

1: 24,000

Project No.:

Attachment 4. Project Area Map



Archaeological
 RESEARCH, INC.

DuPage & Will County, Illinois
 Normantown IL 7.5 Minute USGS Quadrangles
 T37N R9E Section 8, 5

Map Date:

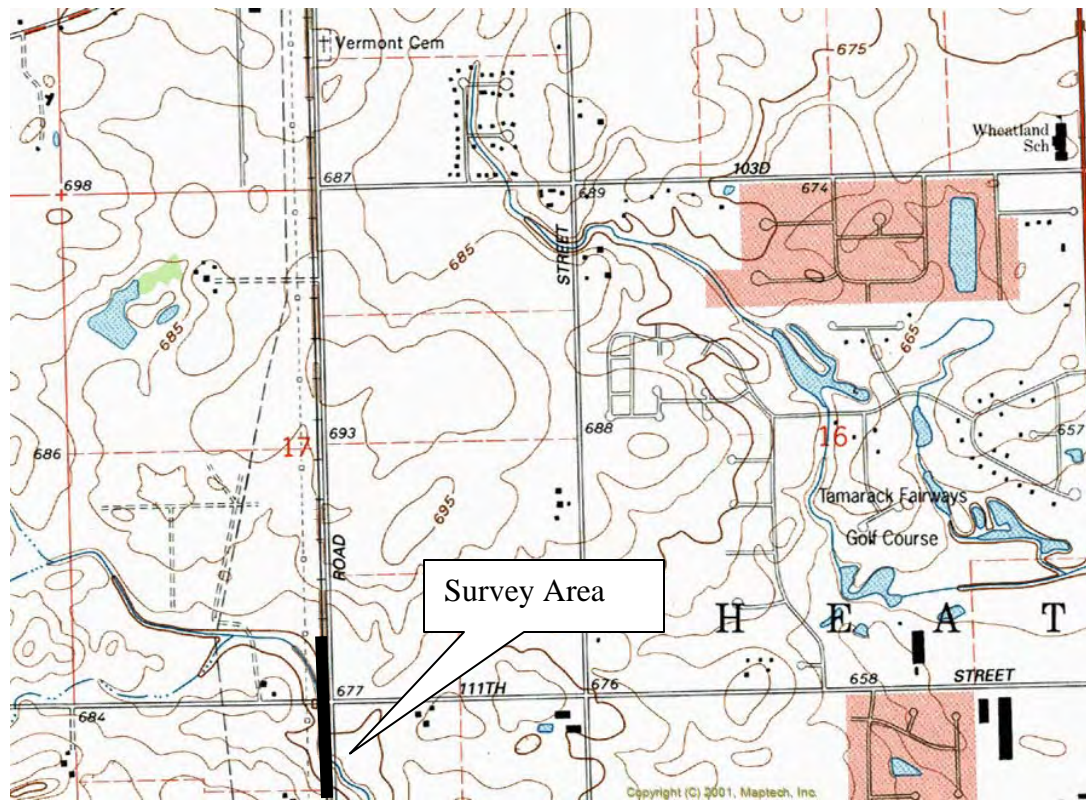
1990

Scale:

1: 24,000

Project No.:

Attachment 5. Project Area Map



Archaeological
 RESEARCH, INC.

DuPage & Will County, Illinois
 Normantown IL 7.5 Minute USGS Quadrangles
 T37N R9E Section 20, 17

Map Date:

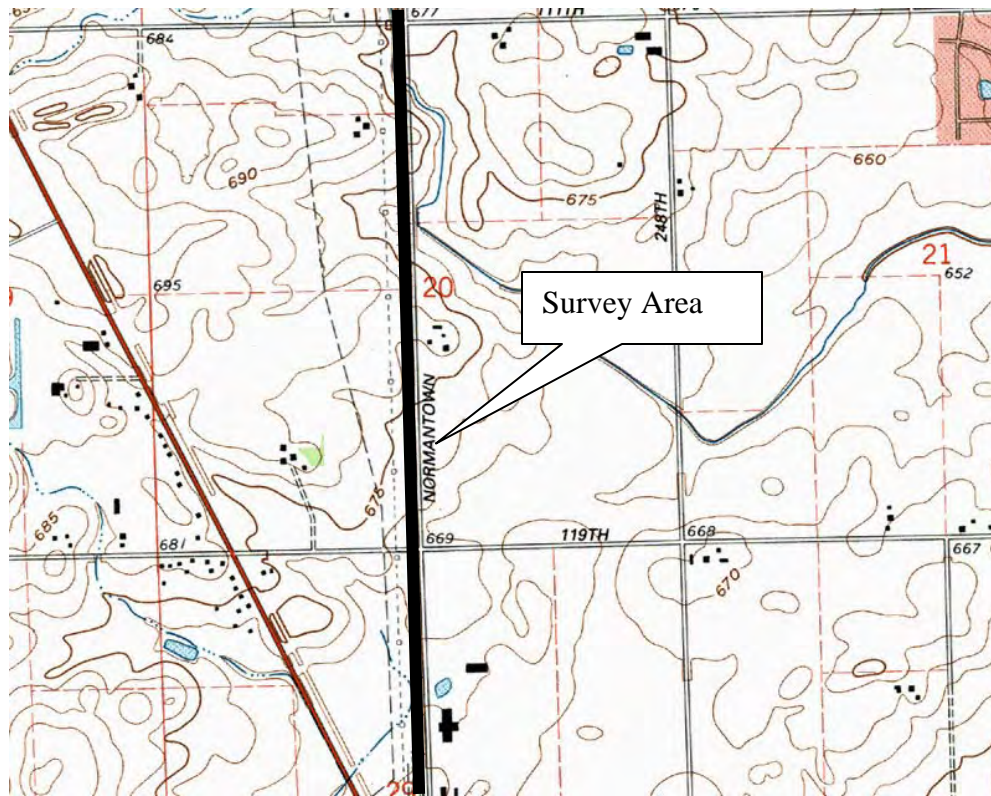
1990

Scale:

1: 24,000

Project No.:

Attachment 6. Project Area Map



Archaeological
 RESEARCH, INC.

DuPage & Will County, Illinois
 Normantown IL 7.5 Minute USGS Quadrangles
 T37N R9E Section 20, 29,

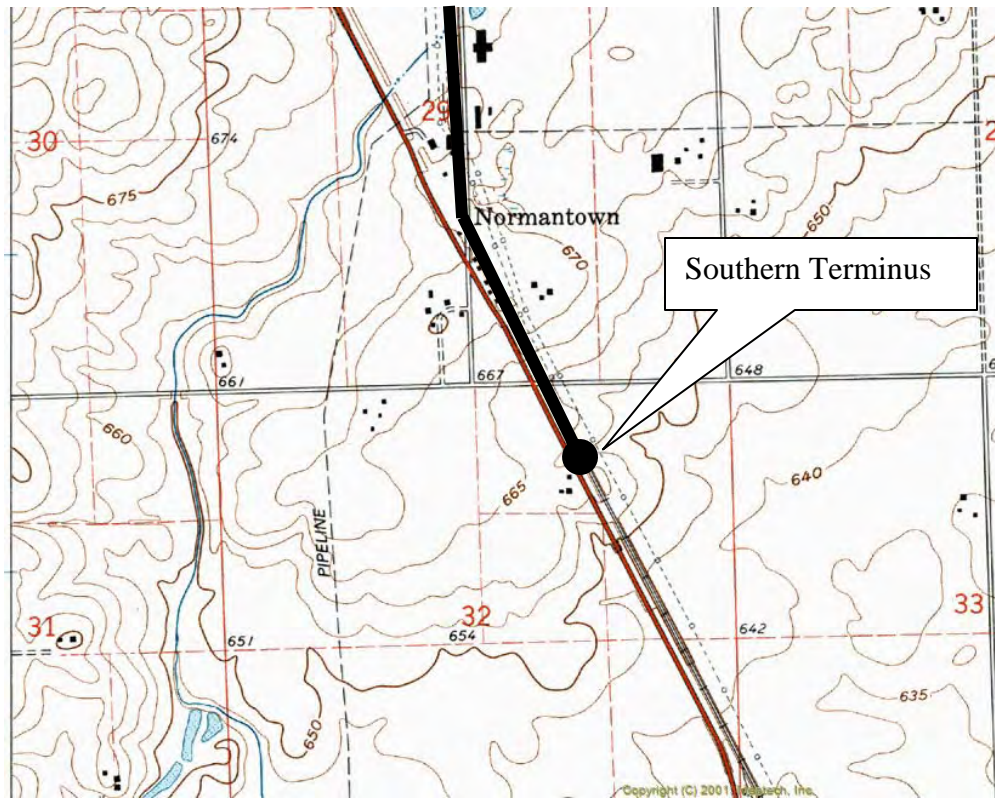
Map Date:

1990

Scale:

1: 24,000

Project No.:



Archaeological
 RESEARCH, INC.

Will County, Illinois
 Normantown IL 7.5 Minute USGS Quadrangles
 T37N R9E Section 29, 32

Map Date:

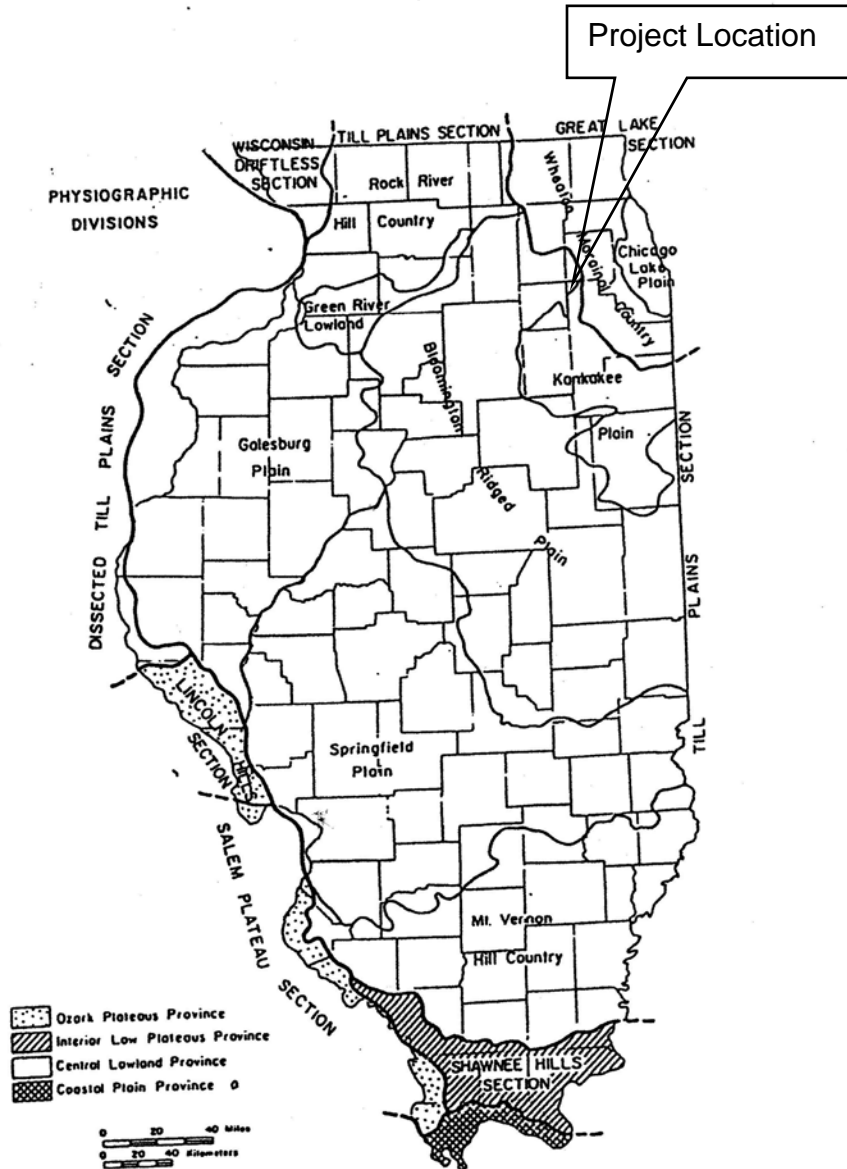
1990

Scale:

1: 24,000

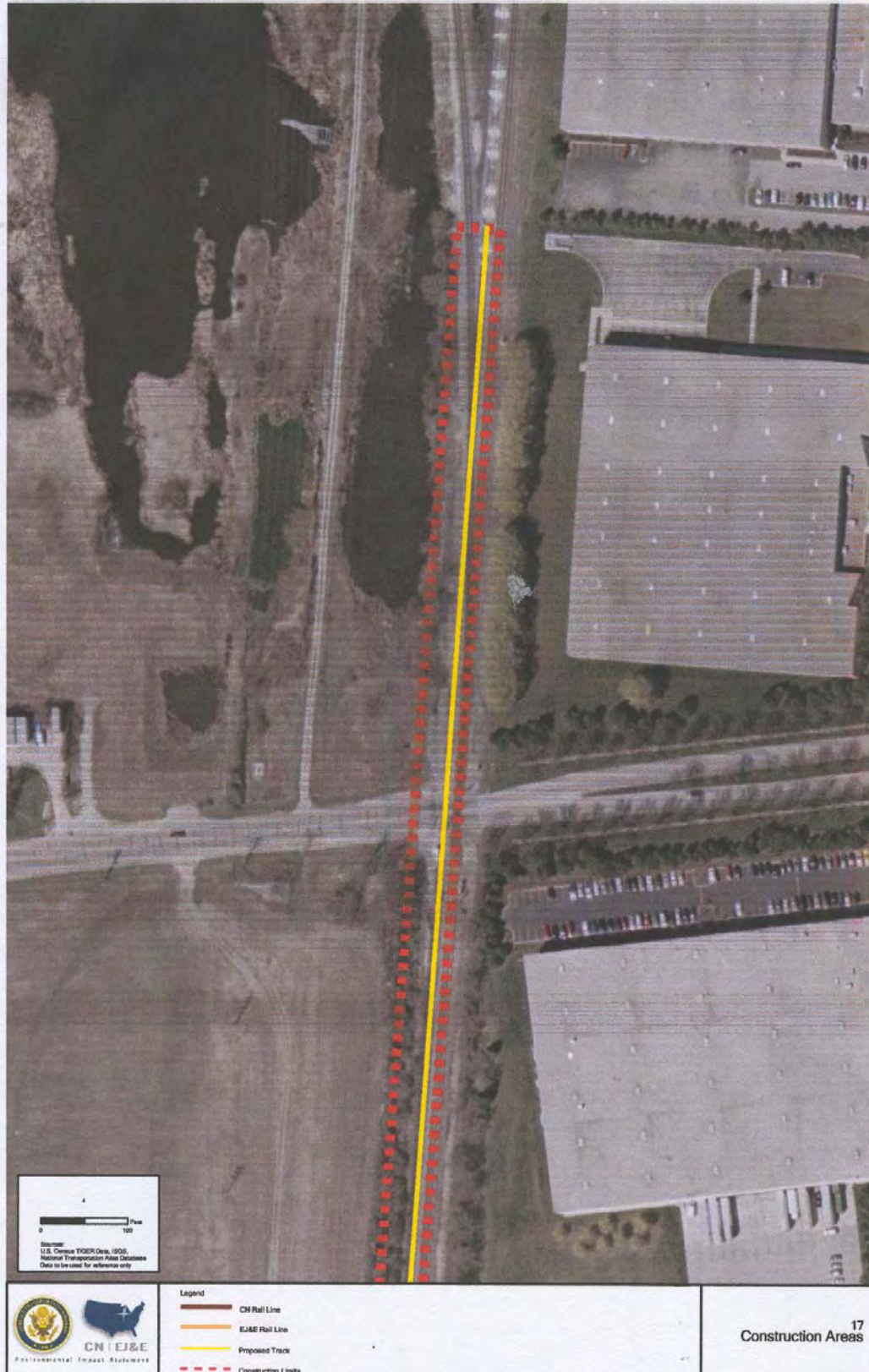
Project No.:

Attachment 8. Physiographic Provinces of Illinois

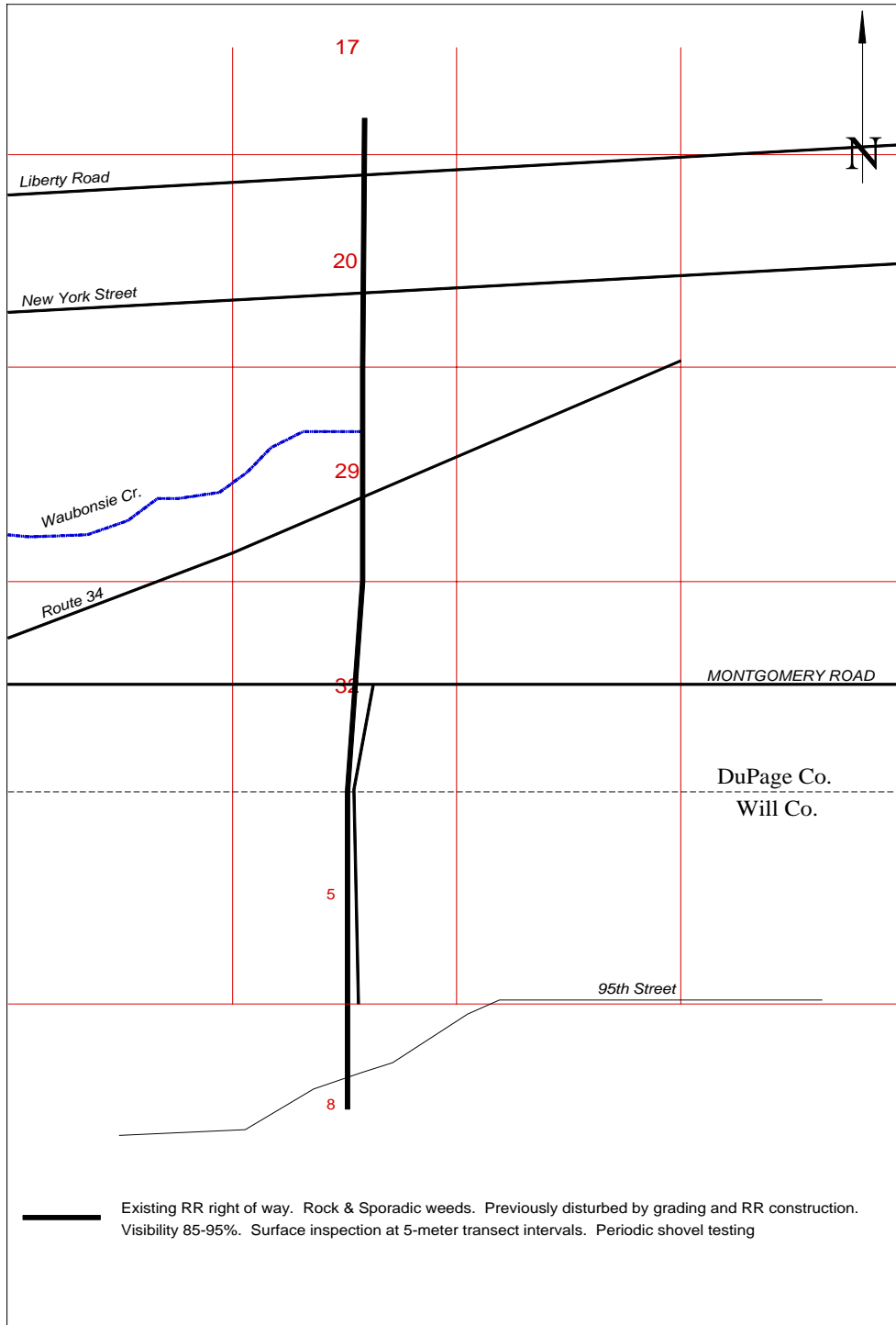


Physiographic Provinces of Illinois (Willman 1975:16)

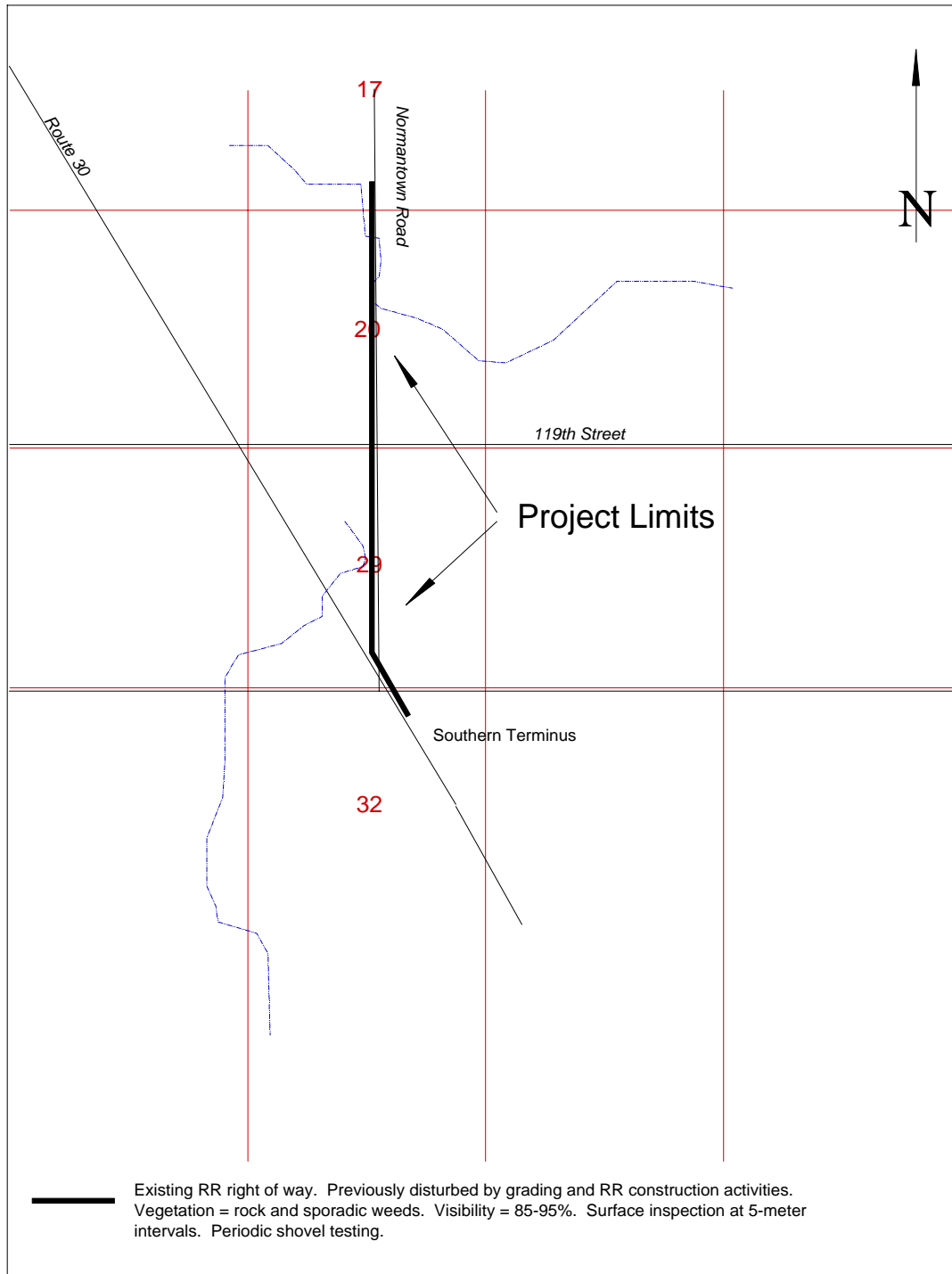
Attachment 9. Representative Project Area Map Provided by the Client.



Attachment 10. Sketch Map of the Project Area Showing Vegetation and Survey Methods.



Attachment 11. Sketch Map of the Project Area Showing Vegetation and Survey Methods.



**Attachment 12. General Land Office Map of DuPage County, Illinois.
Township 38 North, Range 9 East
Sections: 17, 20, 29 & 32**



General Land Office Plat Map of DuPage County, Illinois. Library of Congress, 1842.

**Attachment 13. General Land Office Plat Map of Will County, Illinois.
Township 37 North, Range 9 East
Sections: 17, 20, 29 & 32**



General Land Office Plat Map of Will County, Illinois. Library of Congress, 1839.

**Attachment 14. Map of DuPage County, Illinois.
Township 38 North, Range 9 East
Sections: 17, 20, 29, 32**



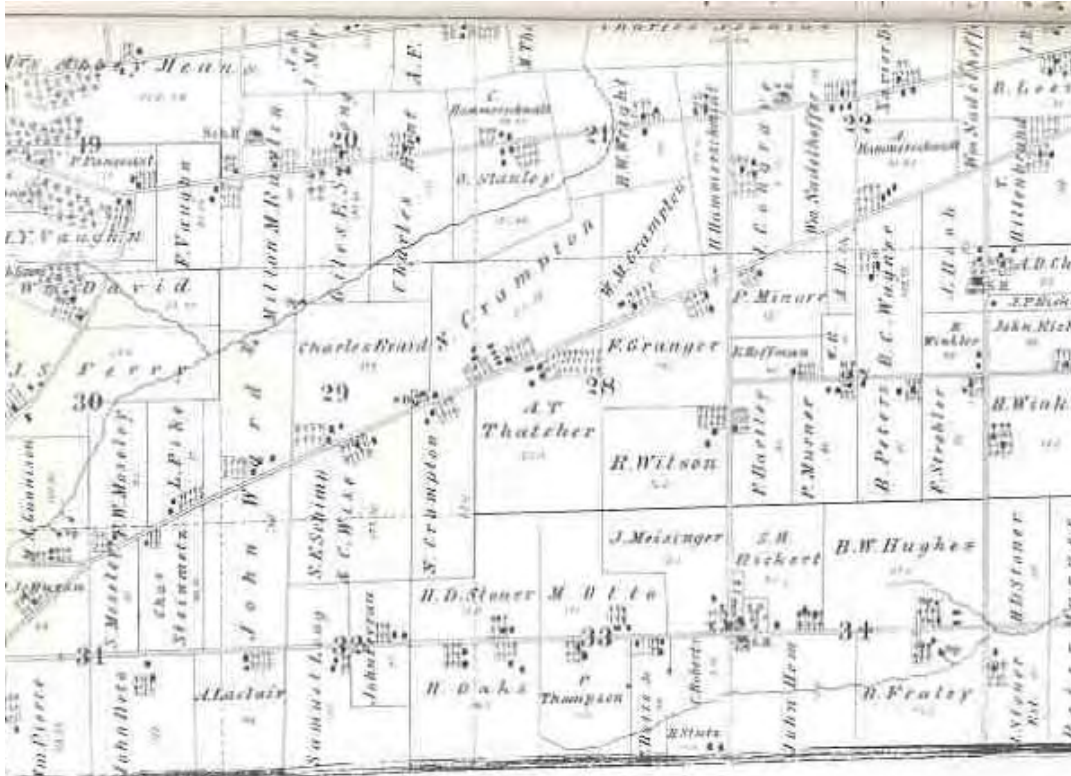
Map of DuPage County, Illinois. L.G. Bennett & H. Brooks, 1862.

**Attachment 15. Combination Atlas Map of DuPage County, Illinois.
T38N R9E, Section 17**



Combination Atlas Map of DuPage County, Illinois. Thompson Bro's. & Burr, Elgin, Illinois 1874.

**Attachment 16. Combination Atlas Map of DuPage County, Illinois.
T38N R9E, Sections: 20, 29 & 32**



Combination Atlas Map of DuPage County, Illinois. Thompson Bro's. & Burr, Elgin, Illinois 1874.

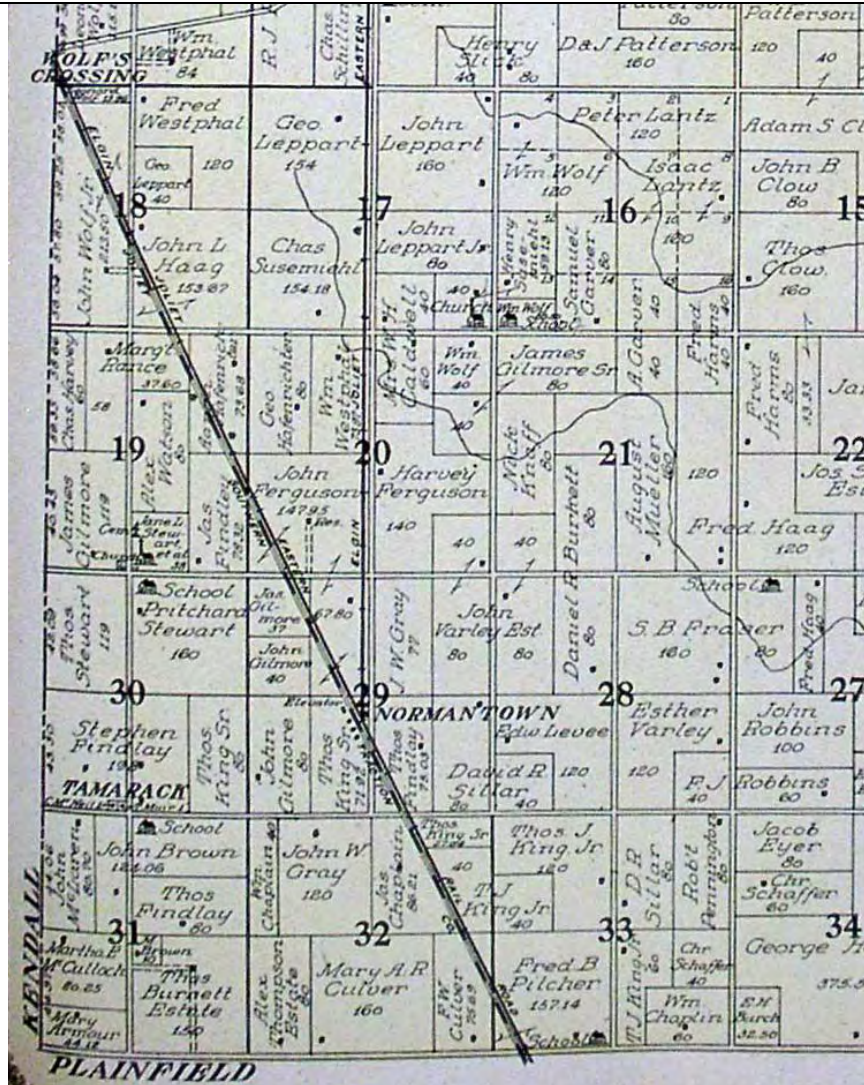
**Attachment 17. Plat Map of Will County, Illinois.
Township 37 North, Range 9 East
Sections: 17, 20, 29, 30**



Attachment 18. Plat Map of Will County, Illinois.

Township 37 North, Range 9 East

Sections: 17, 20, 29, 30



Attachment 19. Representative Photograph of the Project Corridor.



View to south. Representative view of project area.

Results of a Phase I Archaeological Investigation
For the CN EJ&E Acquisition
Environmental Impact Statement
Proposed Joliet Connection,
Will County, Illinois

Prepared for
Surface Transportation Board
Section of Environmental Analysis
and HDR Engineering, Inc.

Prepared by
Archaeological Research, Inc.
4147 N. Ravenswood Ave.
Chicago, IL 60613
(773) 975-1753
www.arch-res.com

This document was prepared by
David Keene, PhD., RPA
June 2008

A handwritten signature in blue ink, appearing to read 'D. Keene', with a stylized, cursive script.

Signature of Project Archaeologist, David Keene

ARCHAEOLOGICAL SURVEY SHORT REPORT
Illinois Historic Preservation Agency
Old State Capitol Bldg., Springfield, IL 62701 (217/785-4997)

Reviewer _____
Date: _____
____ Accepted ____ Rejected

IHPA Log # _____
Locational Information and Survey Conditions
County: Will
Quadangle: Joliet 7.5'

IHPA use only (Form ASSR0886)

Project Type/Title: railroad expansion

Funding &/or Permitting Fed./State Agencies: Surface Transportation Board - Office of Economics, Environmental Analysis and Administration

Sec: NE ¼ of NW ¼ of 3
Sec: SE ¼ of SW ¼ of 34

T.:35N
T: 36N

R.: 10E
R: 10E of 3rd. P.M.

Natural Divis. (no.): 3a

ProjectDescription: The client proposes to construct a new connection between the CN tracks and the EJ&E tracks. The parcel is located immediately west of Collins Street/Lockport Road in Joliet Twp. and Lockport Twp., Will County, Illinois.

Topography: The project area lies in the Des Plaines River valley. Locally, the project area consists of rail yards, auto salvage yards, and vacant industrial land adjacent to the I&M Canal on the Joliet/Lockport boundary. The project area has occupied by railroad tracks since the 1850s; it was thoroughly disturbed by successive episodes of filling, excavation, construction, and demolition between 1840 and 1970.

Soils: Soils within the project area have been mapped as Orthents, loamy, undulating; this soil is described as well drained heavily disturbed soils (USDA Soil web site).

Drainage: The project area is drained by roadside ditches, trackside ditches, the I&M Canal and municipal storm sewers; all drain west and south into the Chicago Sanitary & Ship Canal.

Land Use/Ground Cover (Include % Visibility): The project area consists of rail yards, auto salvage yards, and vacant industrial land. Ground surface visibility in these areas was between 80 and 90%.

Survey Limitations: There were no limitations to a comprehensive survey of the project area.

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

HistoricPlats/Atlases/Sources: USGS 7.5' topographic quadrangle map (Joliet, 1962, photorevised1973); USGS 15' topographic quadrangle map (Joliet, 1923, corrections 1939, reprinted 1942); Corps of Engineers survey map (Woermann maps, sheet 57, 1904-1906); USDA small-scale aerial photo (1939); Sidwell large-scale aerial photos (1962); Sanborn fire-insurance maps (Joliet folio, 1924-1955)

Previously Reported Sites: There are no previously reported sites within the project area. Sites Wi-420, Wi-427 and Wi-442 are within one mile of the project area.

Previous Surveys: The project area has not been previously surveyed. IHPA logged reports within one mile of the project area include report #s 93414, 92816, 13926, 3437, 3439, 3438, 2816, 15461, and 5060.

Regional Archaeologists Contacted: David Keene

InvestigationTechniques: review of historic maps (1904-1973) and aerial photos (1939-1962); visit on foot, on bicycle, and in automobile. Shovel tested some areas covered with brush to determine if there were any intact surfaces.

Time expended: 2 person days

Sites/Find Spots Located: N/A

Cultural Material: N/A

Curated At: N/A

Collection Techniques: N/A

Area Surveyed (Acres & Square Meters): approximately 12 acres (48,560 square meters)

Results Of Investigation And Recommendations: (Check One)

- ☒ Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination Of Eligibility Is Recommended.

Comments: SEE ADDITIONAL COMMENT SHEET

Archaeological Contractor Information:

Archaeological Contractor: Archaeological Research, Inc.

Address/Phone: 4147 N. Ravenswood Ave., Suite 301 Chicago, Illinois 60613/ (773) 296-9702

Surveyor(s): Keith Ryder and David Keene

Survey Date: 30 April and 23 May 2008

Report Completed By: Keith Ryder and David Keene

Date: 20 June 2008

Submitted By (Signature & Title):



___ staff archaeologist

Attachment Check List: (#1 Through #4 are MANDATORY)

- ☒ 1) Relevant Portion Of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- ☒ 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits And Concentrations Of Cultural Materials;
- ☐ 3) Site Form(s);
- ☒ 4) All Relevant Project Correspondence;
- ☒ 5) Additional Information Sheets As Necessary.

Address Of Contracting Agency To Whom SHPO Comment Should Be Mailed:

HDR Engineering, Inc.

5426 Bay Center Dr.

Tampa, FL 33609-3444

Contact Person: Mr. Barry R Wharton

Phone No. (813) 282-2360

Reviewers Comments:

ADDITIONAL COMMENTS:

Archaeological inspection of the project area did not result in the location of any pre-1860 cultural material, or of any structures with potential for listing on the National Register of Historic Places. Historic maps show that industrial structures stood east of the railroad tracks in the project area before 1940; however, all have been removed. Further investigation would not result in the location of significant cultural deposits in situ. There were no structures between the railroad tracks and the Illinois and Michigan Canal (I&M Canal). The ground throughout the project area was littered with large concrete blocks and other debris. Most of this material appears to have been transported there as fill for the area. Further archaeological investigation of this parcel is not recommended.

It should be noted that the project area is approximately 80 yards to the east of the existing prism of the I&M Canal and Lock #3. Completed in 1848 the I&M Canal connected the Great Lakes and the Mississippi River Basin completing a national plan to link the eastern seaboard of the United States with the interior of the continent. This hand-dug canal was 97 miles long and required 15 locks to adjust water levels for the passage of barge traffic. The proposed rail construction will not encroach upon the existing prism of the canal, the tow path, or Lock #3. It will not have an adverse effect upon this National Register Property.

Land immediately south and west of the project area (immediately north of the Joliet Iron Works historic site) contains the I&M Canal, Lock #4, a timber-trestle automobile bridge over the canal, steel railroad-signal towers, and another railroad line; this cluster of pre-1914 transportation structures could be viewed as a contributing element for the I&M Canal National Heritage Corridor. They will not be affected by this project.

There are two bridges adjacent to the project area that have been determined eligible for nomination to the National Register of Historic Places. The 16th Street Bridge over Deep Run Creek (structure number 099-3149) on the northern limit of the project area was built in 1907. This deck truss bridge is 325 feet in length with a 22-foot wide deck. The EJ&E Bridge over Illinois State Route 171 (structure number 099-0224) is a deck girder bridge constructed in 1918 and is located on the southern limit of the project area. Neither bridge will be altered as a result of this undertaking. See correspondence in Attachment 10.

References Cited or Consulted

McAlester, Virginia and Lee McAlester

1995 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Nelson, Ronald E.

1954 *Illinois: Land and Life in the Prairie State*. Kendall/Hunt, Dubuque.

Schwegman, John E.

1973 *Comprehensive Plan for the Illinois Nature Preserves System, Part 2, The Natural Divisions of Illinois*. Illinois Nature Preserves Commission, Rockford.

Wascher, H.L., P.T. Veale, and R.T. Odell

1962 *Will County Soils*. Soil Report 80. Soil Conservation Service, U.S. Department of Agriculture, Washington D.C.

Willman, H.B.

1971 *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, Urbana.

1834 *General Land Office Plat Map of Will County, Illinois*. Library of Congress.

1839 *General Land Office Plat Map of Will County, Illinois*. Library of Congress.

1851 *Map of the Counties of Cook and DuPage, the East Part of Kane and Kendall, North Part of Will, State of Illinois*. James H. Rees, Chicago.

1862 *Map of Will County, Illinois*. S.H. Burhans & J. Van Vechten, Chicago.

1873 *Comination Atlas Map of Will County, Illinois*. Thompson Brothers and Burr, Elgin.

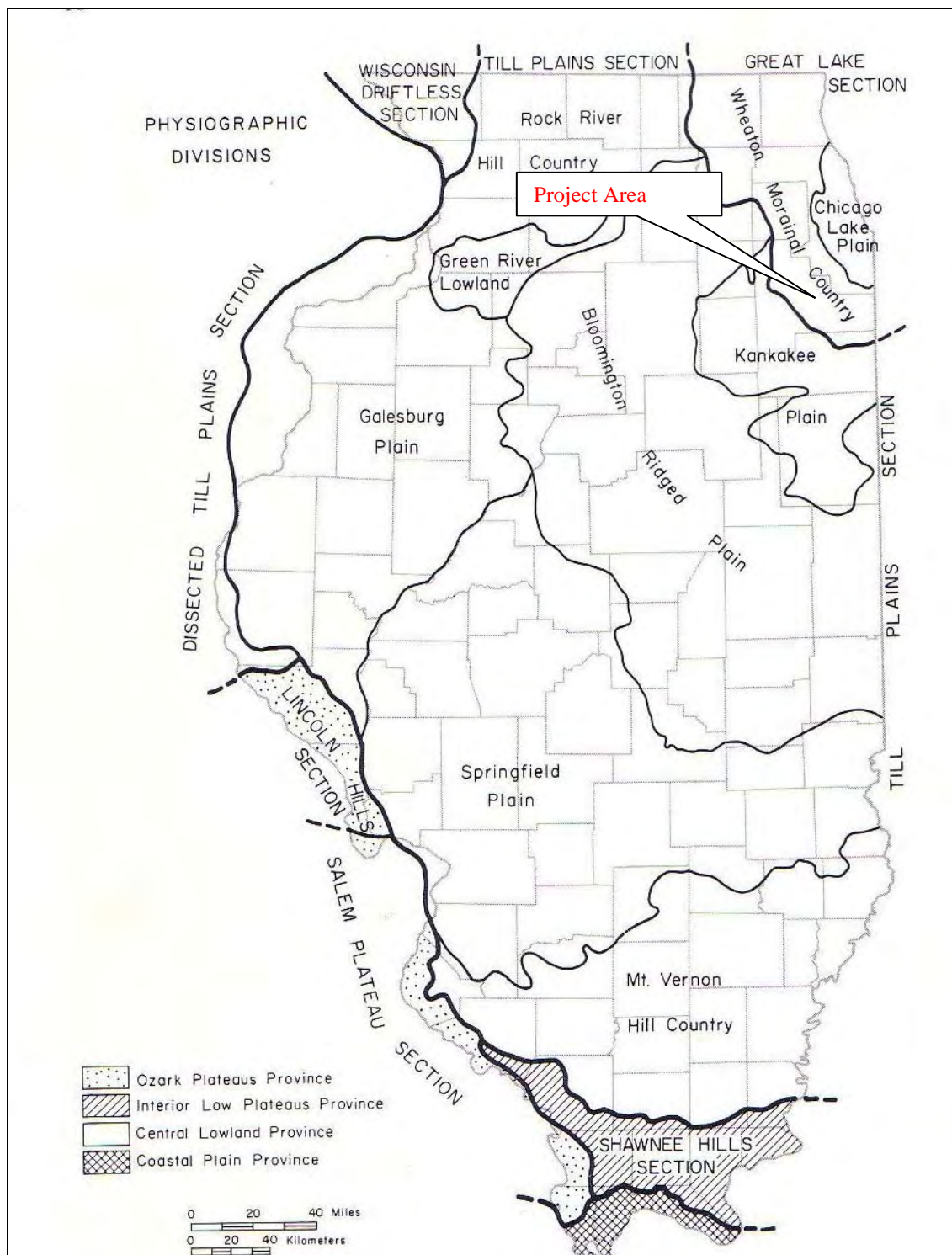
1898 *Snyder's Real Estate Map of Cook, DuPage and Part of Will Counties, Illinois*. William L. Mitchell, Chicago.

Other References

Illinois Archaeological Survey (IAS) site files. Illinois State Museum, Springfield

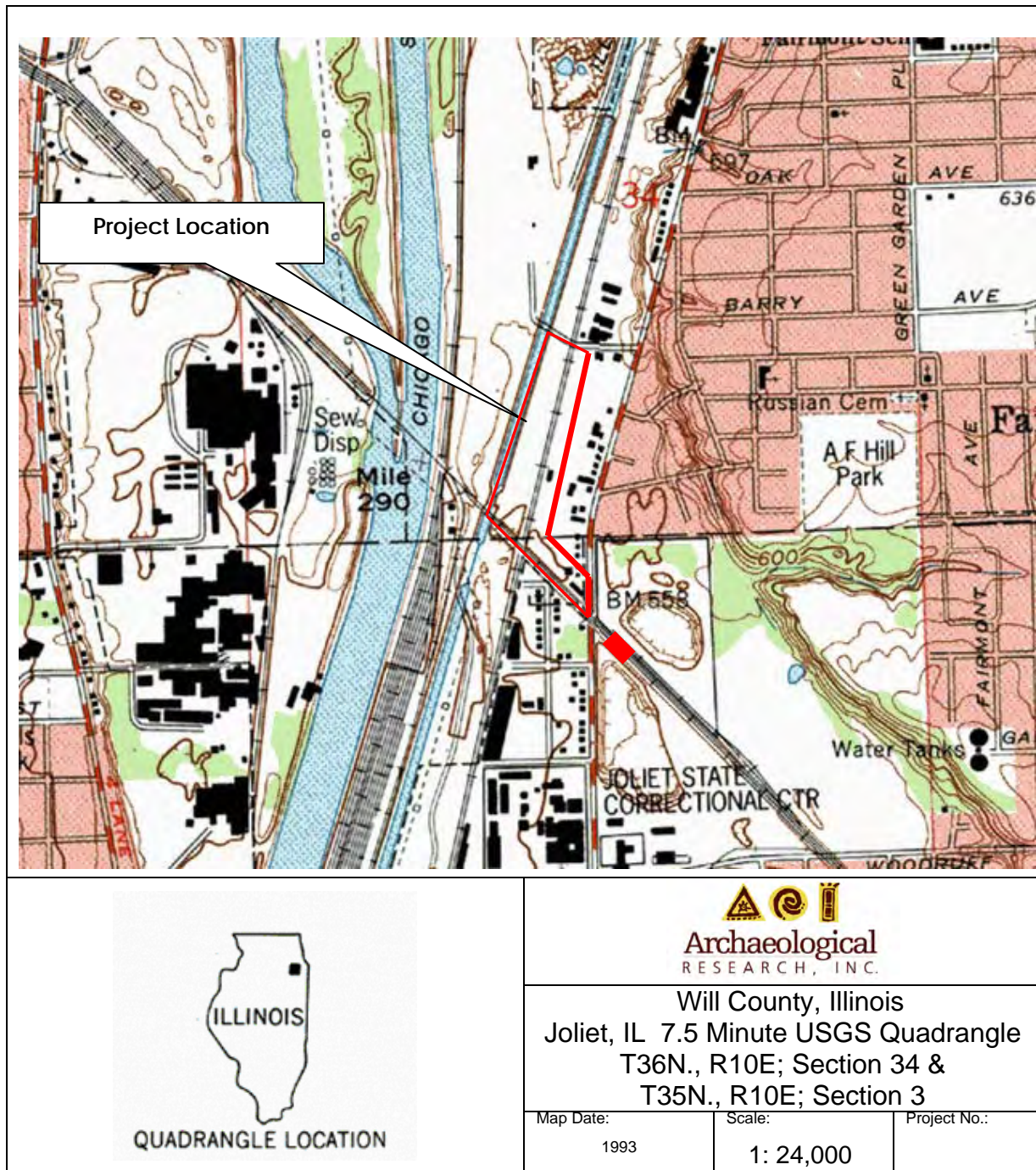
Albert F. Scharf maps housed at the Chicago Historical Society, Chicago.

Attachment 1: Location of Project in Illinois

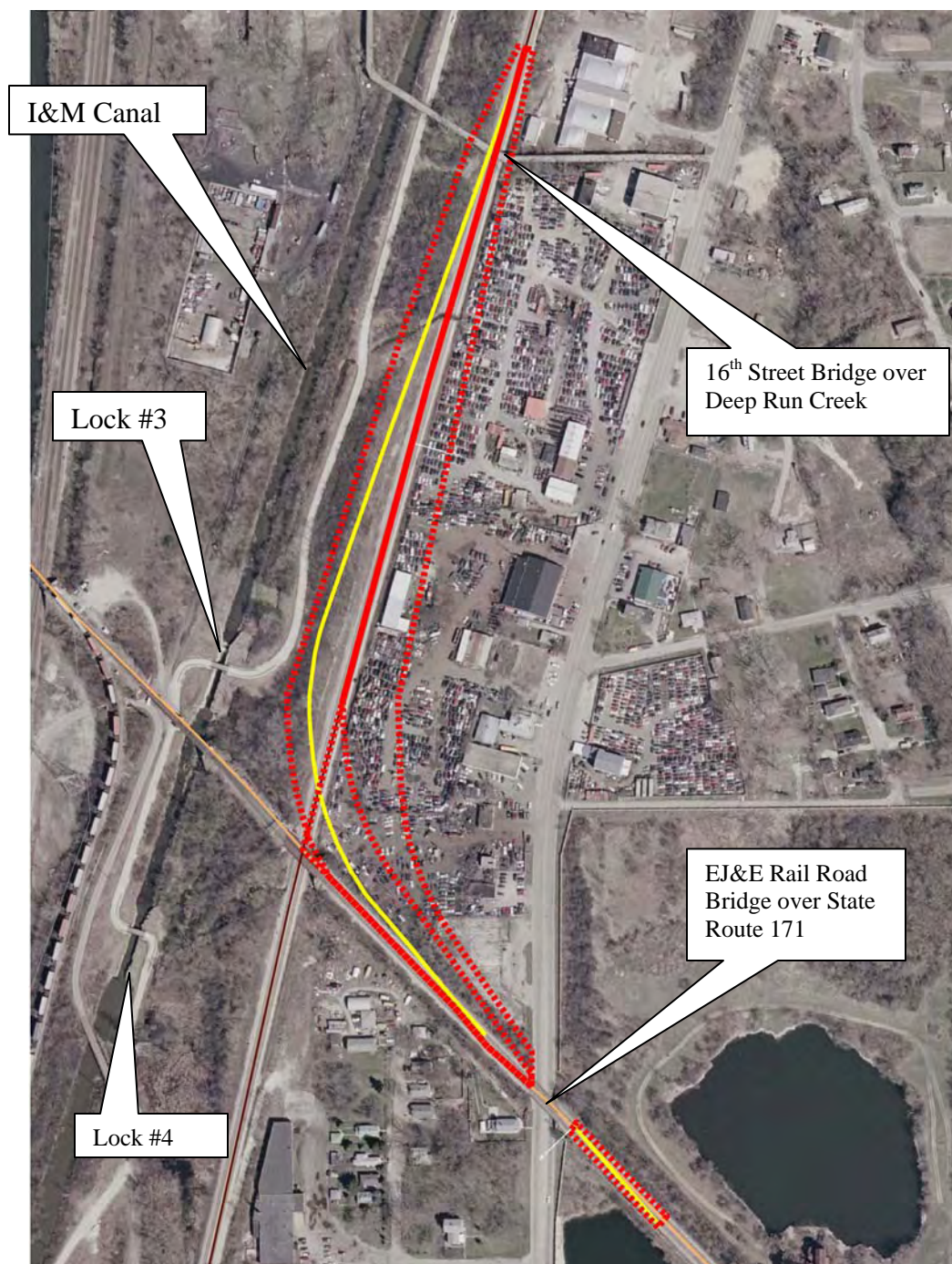


Physiographic Divisions of Illinois (Willman 1971).

Attachment 2: Project Location Map

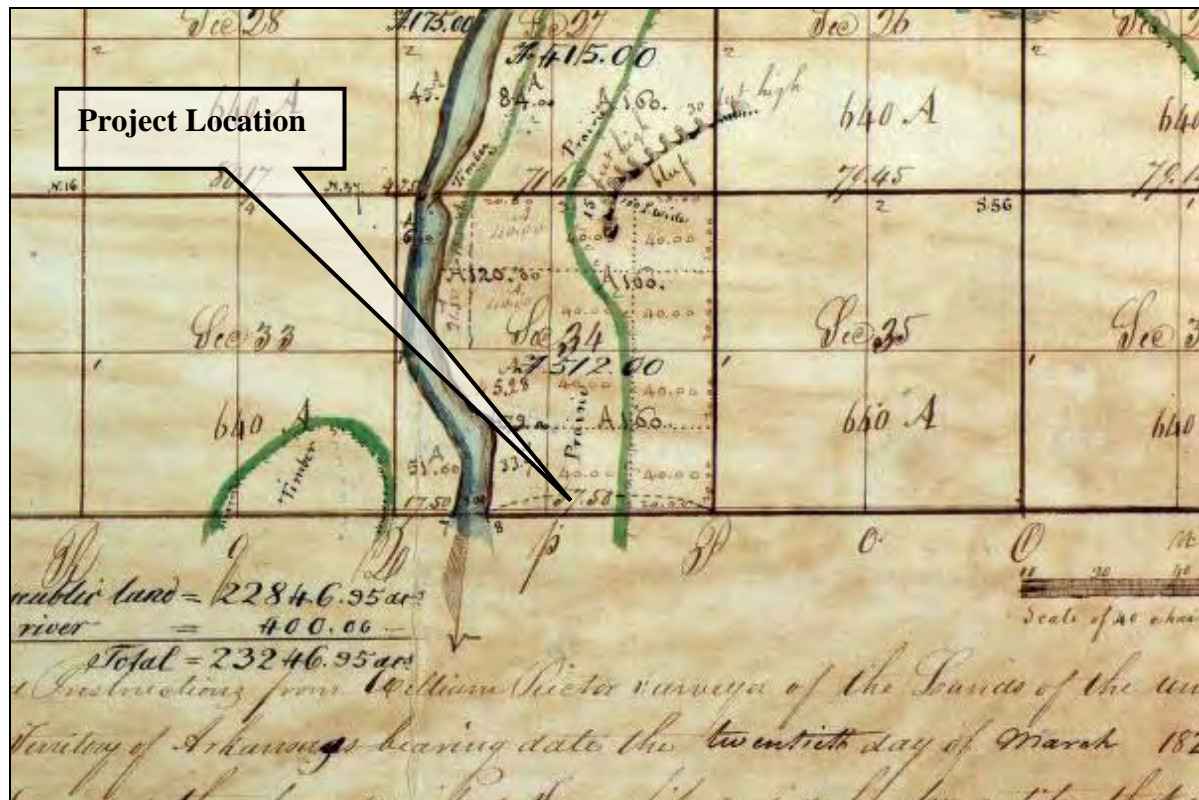


Attachment 3. Boundaries of project area.



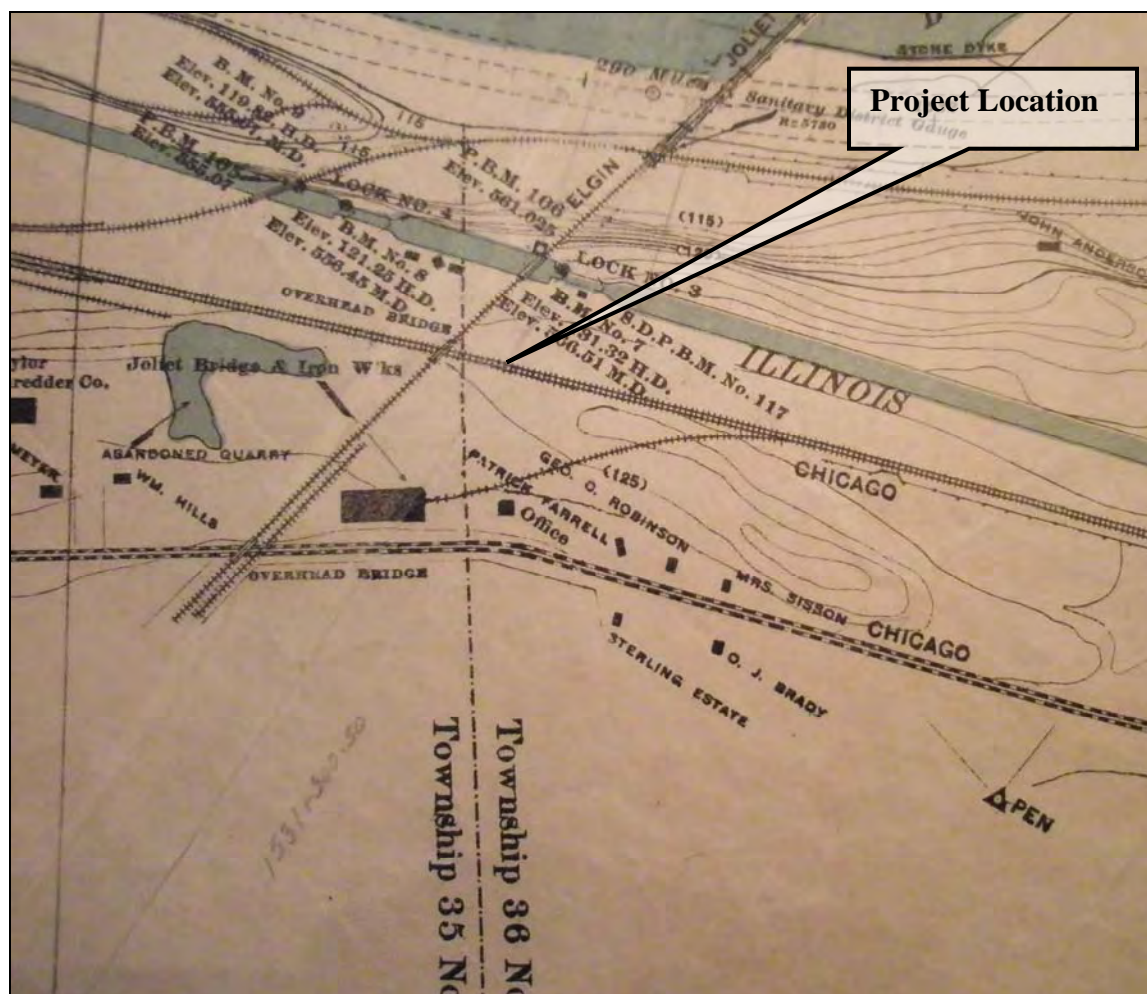
The red dotted line depicts the boundaries of the footprint of construction.

Attachment 4. General Land Office Map

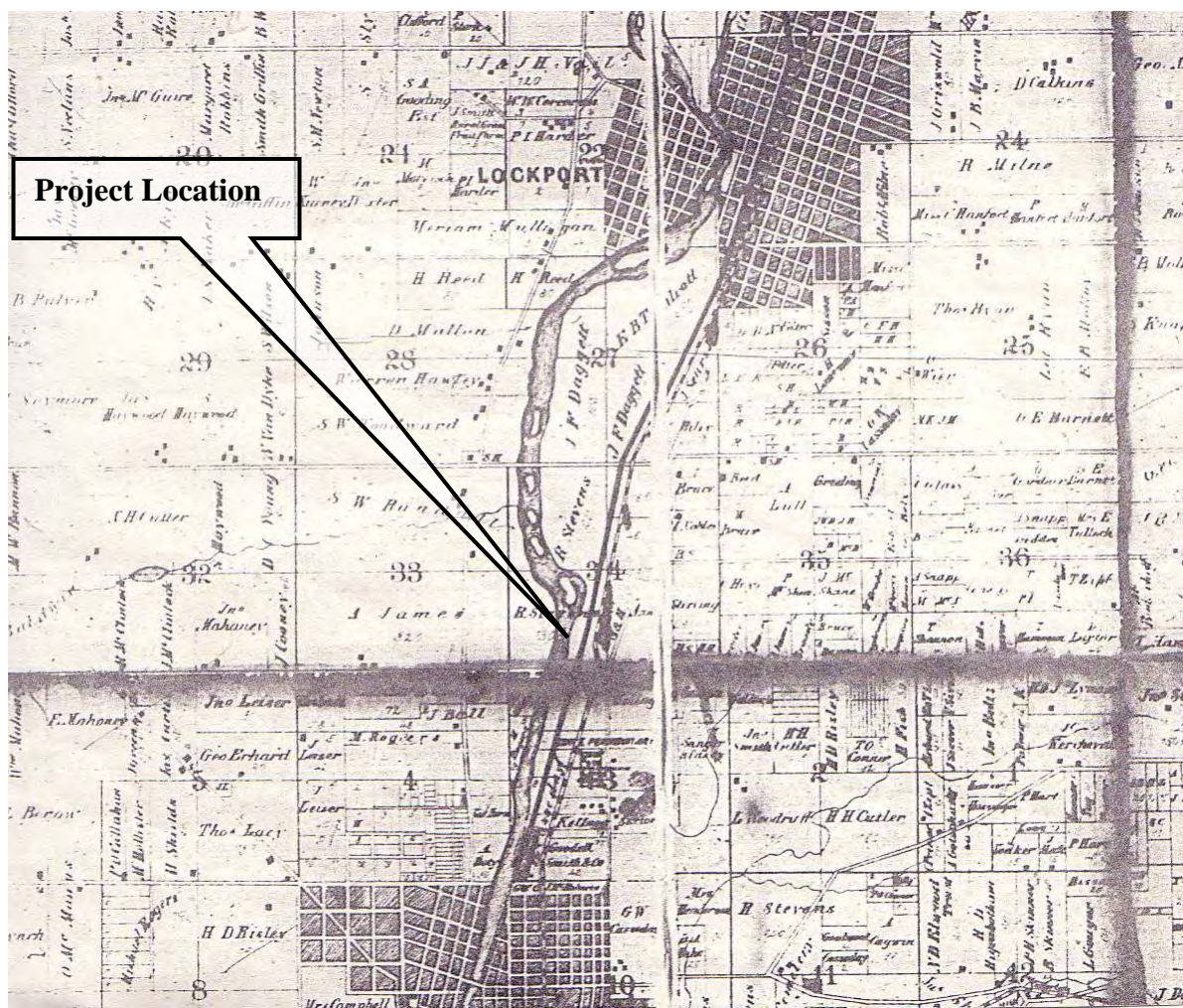


1821 General Land Office Plat Map. Source: Illinois Secretary of State web site:
http://landplats.ilsos.net/FTP_Illinois.html.

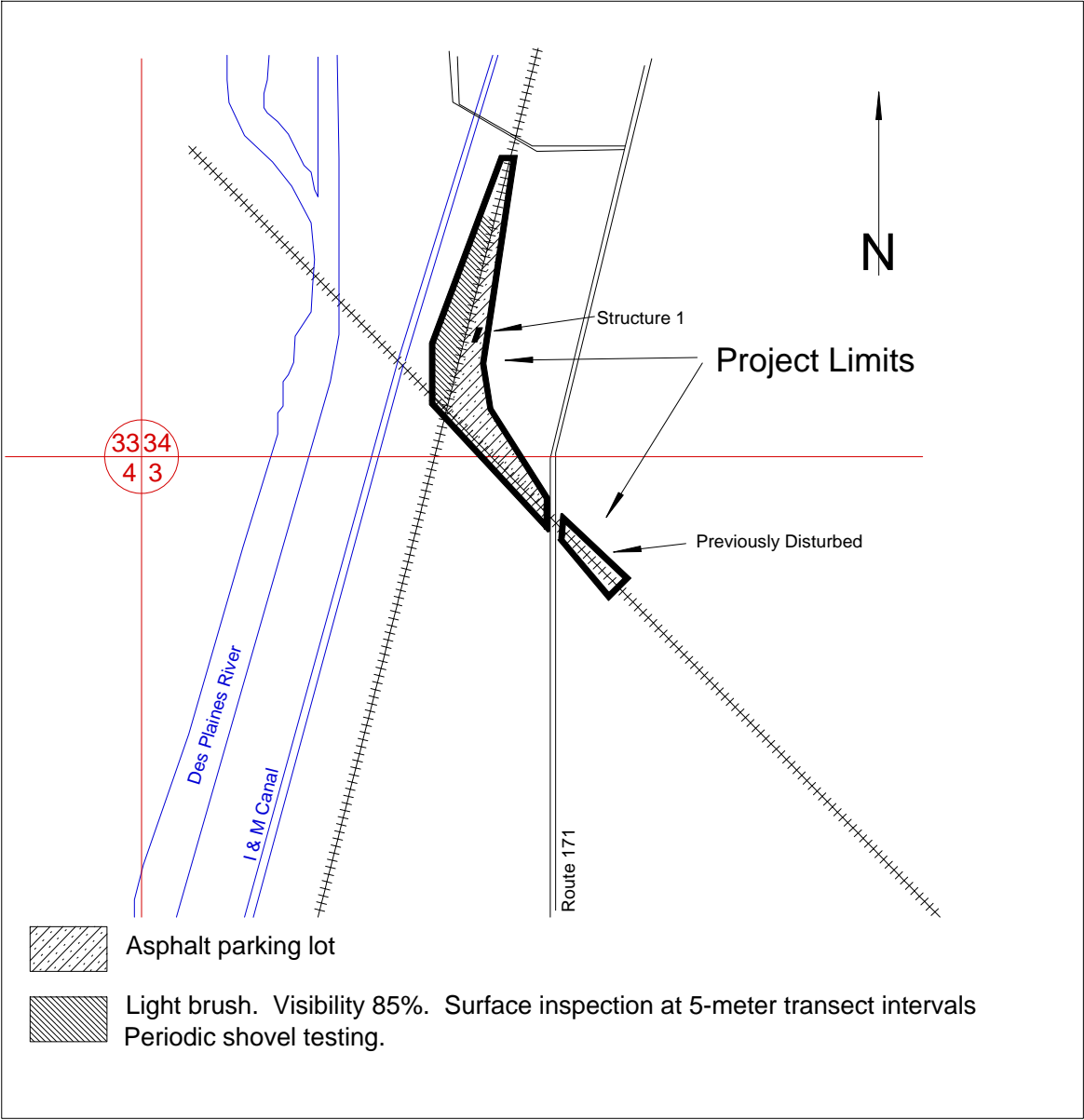
Attachment 5. Woerman Map



1904-1906 Woermann Map. Note that north is to the right of this illustration.



Attachment 7. Field Sketch of Project Area



Attachment 8. Photo of Eligible Bridge



EJ&E Railroad Bridge over Illinois Route 171.

Attachment 9. Photo of Eligible Bridge



16th Street Bridge over Deep Run Creek.

Attachment 10. Correspondence Concerning Eligible Bridges

HARKINS CUNNINGHAM LLP

Attorneys at Law

Paul A. Cunningham
202.973.7601
pac@harkinscunningham.com

1700 K Street, N.W.
Suite 400
Washington, D.C. 20006-3804
Telephone 202.973.7600
Facsimile 202.973.7610

June 18, 2008

BY HAND

Ms. Victoria J. Rutson, Chief
Section of Environmental Analysis
Surface Transportation Board
395 E Street, S.W.
Washington, D.C. 20423-0001

**Re: Canadian National Railway Company and Grand Trunk Corporation –
Control – EJ&E West Company (STB Finance Docket No. 35087)**

Dear Ms. Rutson:

I am writing, on behalf of Applicants Canadian National Railway Company and Grand Trunk Corporation (together, "Applicants"; together with their rail carrier subsidiaries, "CN"), to provide you and HDR Engineering, Inc. ("HDR"), with the responses to items 2 through 9 of your Information Request #5, which you sent as an enclosure to your letter of June 3, 2008, to Normand Pellerin of CN. We are still awaiting information necessary to respond to item no. 1 of Information Request #5 (regarding the operation of the Des Plaines River Lift Bridge), but we are responding now to those items for which we have information, and we will provide the response to item no. 1 as soon as possible.

----- [only the response to question no. 9 is included here]

9. Does CN have any plans to modify or alter either of these two bridge structures [i.e., the EJ&E railroad bridge of Illinois State Route 171 (Collins Road) and the 16th Street Bridge over Deep Run Creek and CN's Joliet Subdivision] as a result of the construction of the Joliet connection should the proposed transaction be approved?

CN has confirmed that its plans for construction for the proposed connection at Joliet has no plans to alter either the EJ&E railroad bridge over Collins Road or the 16th Street Bridge as a result of construction of the proposed connection at Joliet.

Attachment 11. Photo of Project Area



View of area between railroad tracks and Illinois Route 171.

Attachment 12. Photo of Project Area



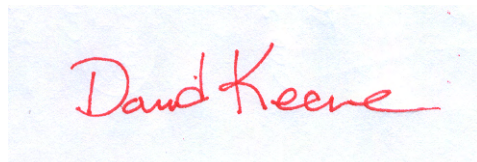
View of ground conditions between railroad tracks and the I and M Canal.

Results of a Phase I Archaeological Investigation
For the CN EJ&E Acquisition
Environmental Impact Statement
Proposed East Joliet to Frankfort
Double Tracking,
Will County, Illinois

Prepared for
Surface Transportation Board
Section of Environmental Analysis
and HDR Engineering, Inc.

Prepared by
Archaeological Research, Inc.
4147 N. Ravenswood Ave.
Chicago, IL 60613
(773) 975-1753
www.arch-res.com

This document was prepared by
David Keene, PhD., RPA
June 2008

A handwritten signature in red ink that reads "David Keene". The signature is written in a cursive style and is located on a light blue rectangular background.

Signature of Project Archaeologist, David Keene

ARCHAEOLOGICAL SURVEY SHORT REPORT
Illinois Historic Preservation Agency
Old State Capitol Bldg., Springfield, IL 62701 (217/785-4997)

Reviewer _____
Date: _____
____Accepted ____Rejected

IHPA Log # _____
Locational Information and Survey Conditions
County: Will

IHPA use only (Form ASSR0886)

Quadrangle: Joliet, Elwood, Project Type/Title: Phase I/Joliet Double Track
Funding &/or Permitting Fed./State Agencies: Surface Transportation Board - Office of Economics, Environmental Analysis and Administration

Sec: 14, 15, 22, 23, 25, 26 T.: 35 N R.: 10 E Natural Divis. (no.): 3a
25, 29, 30, 28, 27, 26, 25 35 N 11 E
30 35 N 12 E

Project Description: The client proposes to construct new rail lines adjacent to existing rail lines and within existing railroad right of way within the project area. The project corridor begins immediately south of Interstate 80 in Joliet, and ends just east of 116th Ave at Mokena.

Topography: The project area is located within the Wheaton Morainal physiographic province of Illinois. The Wheaton Morainal country is characterized by broad flat expanses (outwash plains) punctuated by the gently to steeply sloping moraines and till plains. Locally, the project area consists of essentially flat, previously graded railroad right of way.

Soils: Soils within the project area have been mapped as: Ashkum silty clay loam 0-2% slopes, Elliott silt loam 0-2%, Blount silt loam 2-4% slopes and Beecher silt loam 2-4% slopes. Ashkum series soils are situated on till plains. These soils formed in a parent material of glacial till, and developed under a native vegetation of marsh grasses and sedges. Elliott series soils are situated on till plains. These soils formed in a parent material of glacial till and developed under a native vegetation of prairie grass. Blount series soils are situated on till plains. These soils formed in a parent material of glacial till and developed under a native vegetation of hardwood forest. Beecher series soils are situated on till plains. These soils formed in a parent material of hardwood trees and prairie grass.

Drainage: The project area is drained by various creeks and drainages that empty into the Des Plaines River.

Land Use/Ground Cover (Include % Visibility): The project is contained entirely within existing railroad right of way. The project area has been previously disturbed by grading and construction activities associated with railroad construction and maintenance. The majority of the project area is covered by rock. A few small, areas of weeds were encountered. Ground surface visibility was 80-95%.

Survey Limitations: There were no limitations to a comprehensive survey of the project area.

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

Historic Plats/Atlases/Sources:

IAS site files for Will County, Plat & Atlas of Will County, Illinois: 1834 (GLO); 1850 (GLO) 1873 (Thompson Brothers & Burr); 1909 (Ogle & Co.) ARI site files for Will County.

Previously Reported Sites: There are a number of previously reported sites adjacent to the project area. These sites include: 11WI1608, 11WI1607, 11WI1606, 11WI1605, 11WI1604, 11WI1601, 11WI1600, 11WI562, 11WI1599, 11WI1598, 11WI1821, 11WI1597, 11WI1596, 11WI1595, 11WI1594, 11WI1593, 11WI1592, 11WI1820.

Previous Surveys: The project area has not been previously surveyed. Surveys adjacent to the project area included the following IHPA document numbers: 889, 11098, 15239, 9240, 9237, 13469, 14864, 13009, 14167, 12338, 6414, 789, 13048, 11866, 15097, 14033, 7737.

Regional Archaeologists Contacted: David Keene

Investigation Techniques: Surface inspection was conducted at 5-meter transect intervals over the entire project area. Periodic shovel testing was also conducted. All material excavated in this manner was screened for cultural material through ¼ inch hardware cloth.

Time expended: 9 person days

Sites/Find Spots Located: N/A

Cultural Material: N/A

Curated At: N/A

Collection Techniques: N/A

Area Surveyed (Acres & Square Meters): 121.1 acres / 490,519.46 square meters

Results Of Investigation And Recommendations: (Check One)

- ☒ Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination Of Eligibility Is Recommended.

Comments: SEE ADDITIONAL COMMENT SHEET

Archaeological Contractor Information:

Archaeological Contractor: Archaeological Research, Inc.

Address/Phone: 4147 North Ravenswood Avenue Suite 301 Chicago, Illinois 60613/ (773) 975-1753

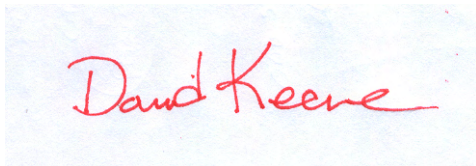
Surveyor(s): Keene, Ryder, Parrish

Survey Date: 4/12,13,14,15,16/08

Report Completed By: Keene & Parrish

Date: 6-26-08

Submitted By (Signature & Title):



staff archaeologist

Attachment Check List: (#1 Through #4 are MANDATORY)

- ☒ 1) Relevant Portion Of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- ☒ 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits And Concentrations Of Cultural Materials;
- ☐ 3) Site Form(s):
- ☒ 4) All Relevant Project Correspondence;
- ☒ 5) Additional Information Sheets As Necessary.

Address Of Contracting Agency To Whom SHPO Comment Should Be Mailed:

HDR Engineering, Inc.
5426 Bay Center Dr.
Tampa, FL 33609-3444

Contact Person: Mr. Barry R. Wharton

Phone No. 813-282-2360

Reviewers Comments:

ADDITIONAL COMMENTS:

Archaeological inspection of the project area did not result in the location of any cultural material. Historic plat maps do not indicate the presence of any historic structures within the project area. The majority of the project area has been previously disturbed by the construction of existing railroads. Given the negative results of field inspection, as well as background documents, further investigation is not considered likely to result in the location of significant cultural deposits in situ. Further investigation of this parcel is therefore not recommended.

References Cited

Nelson, Ronald E.

1954 *Illinois: Land and Life in the Prairie State*. Kendall/Hunt, Dubuque.

Schwegman, John E.

1973 *Comprehensive Plan for the Illinois Nature Preserves System Part 2, the Natural Divisions of Illinois*. Illinois Nature Preserves Commission, Rockford.

Wascher, H.L., P.T. Veale, and R.T. Odell

1962 *Will County Soils*. Soil Report 80. Soil Conservation Service, U.S. Department of Agriculture, Washington D.C.

Willman, H.B.

1977 *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, Urbana.

1834 *General Land Office Plat Map of Will County, Illinois*. Library of Congress.

1850 *General Land Office Plat Map of Will County, Illinois*. Library of Congress.

1873 *New Combination Atlas of Will County, Illinois*. Thompson Brothers & Burr.

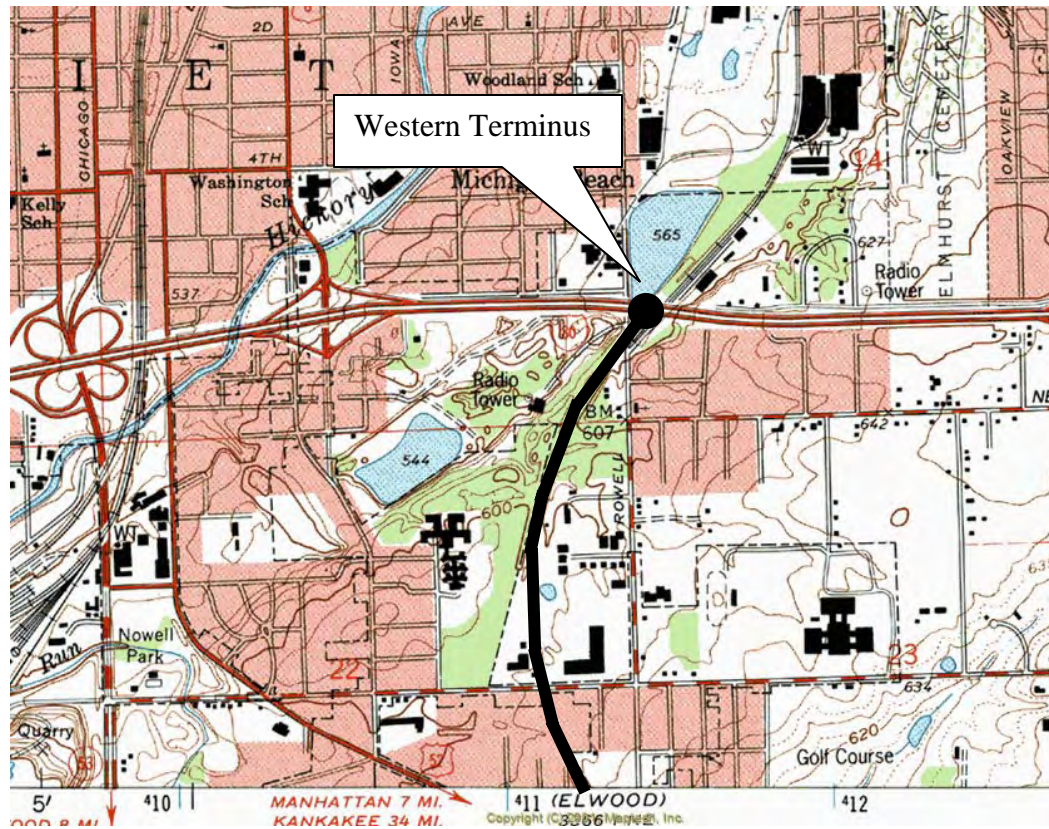
1909 *Standard Atlas of Will County, Illinois*. George A. Ogle & Co.

Other References

Illinois Archaeological Survey (IAS) site files. Illinois State Museum, Springfield

Albert F. Scharf maps housed at the Chicago Historical Society, Chicago.

Attachment 1: Project Location Map



Archaeological
 RESEARCH, INC.

Will County, Illinois
 Joliet, IL 7.5 Minute USGS Quadrangle
 T35N., R10E; Sections 14, 15, 22

Map Date:

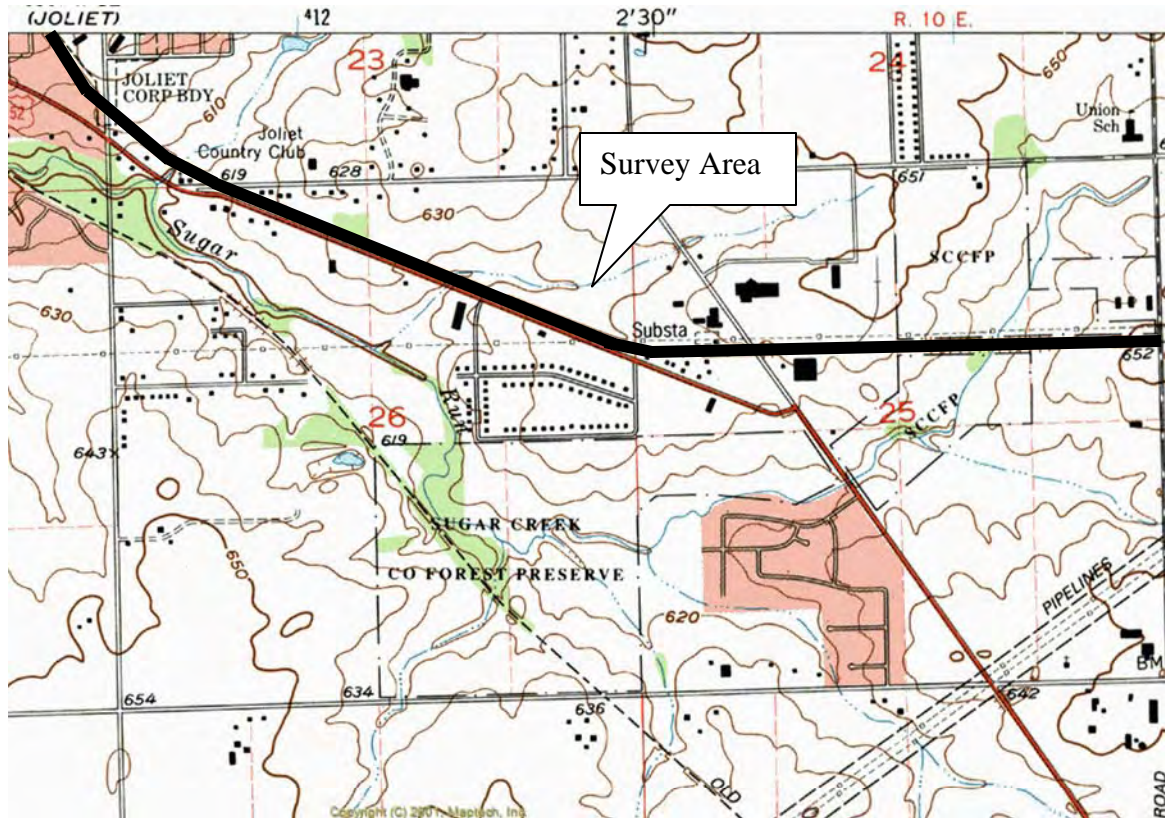
1993

Scale:

1: 24,000

Project No.:

Attachment 2. Project Location Map



Archaeological
 RESEARCH, INC.

Will County, Illinois
 Elwood, IL 7.5 Minute USGS Quadrangle
 T35N., R10E; Sections 22, 23, 25, 26

Map Date:

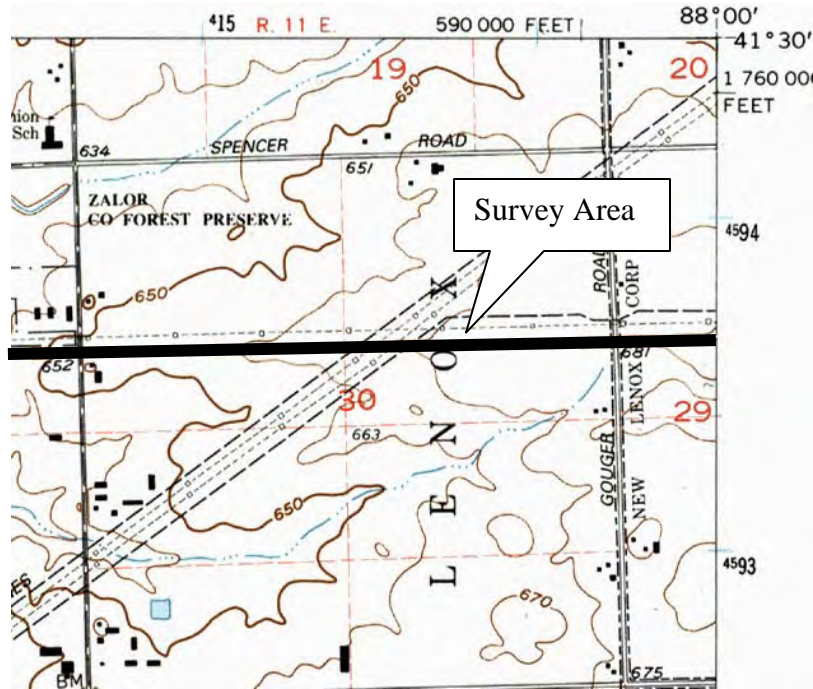
1993



Scale:

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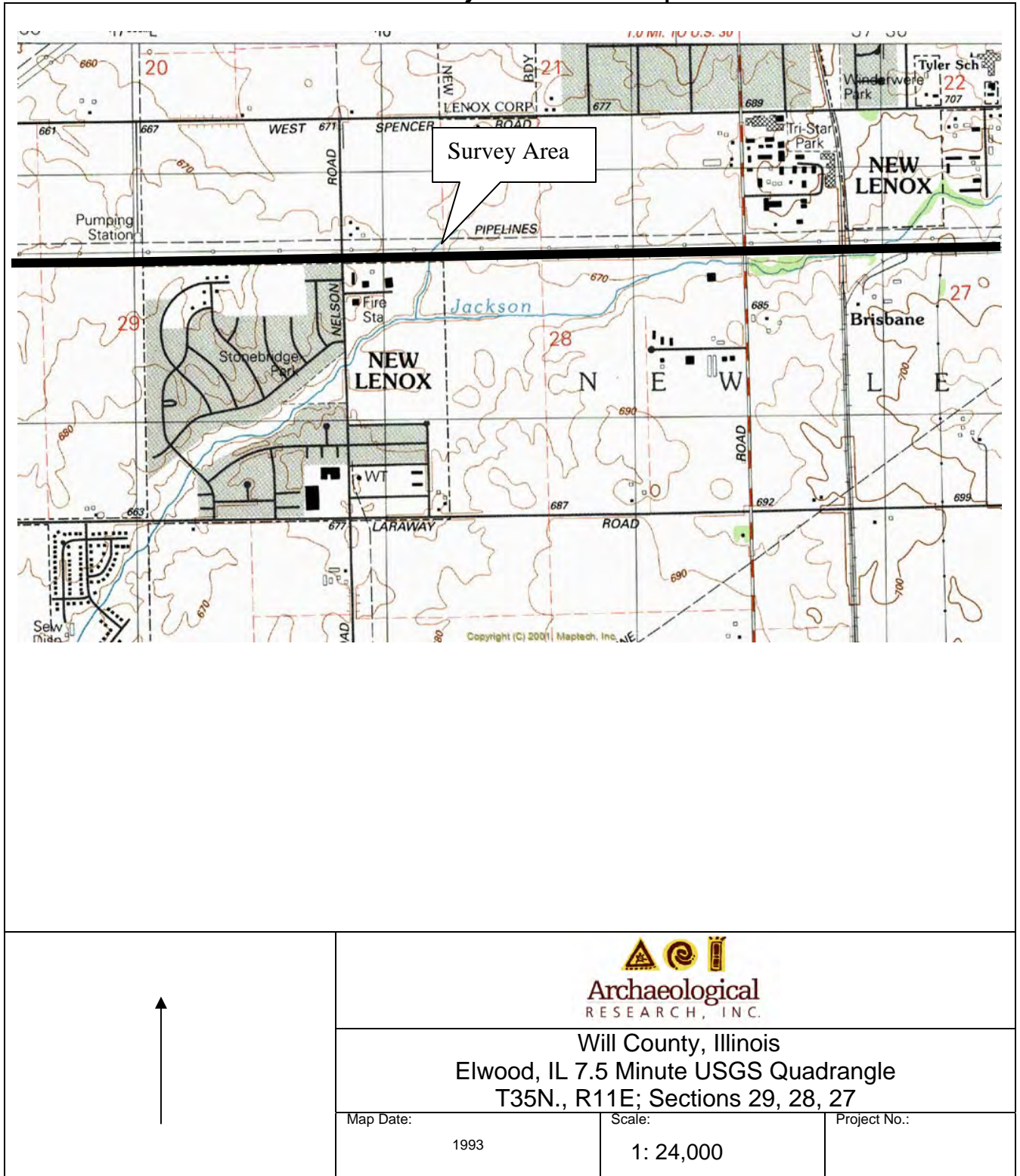
Project No.:

Attachment 3. Project Location Map

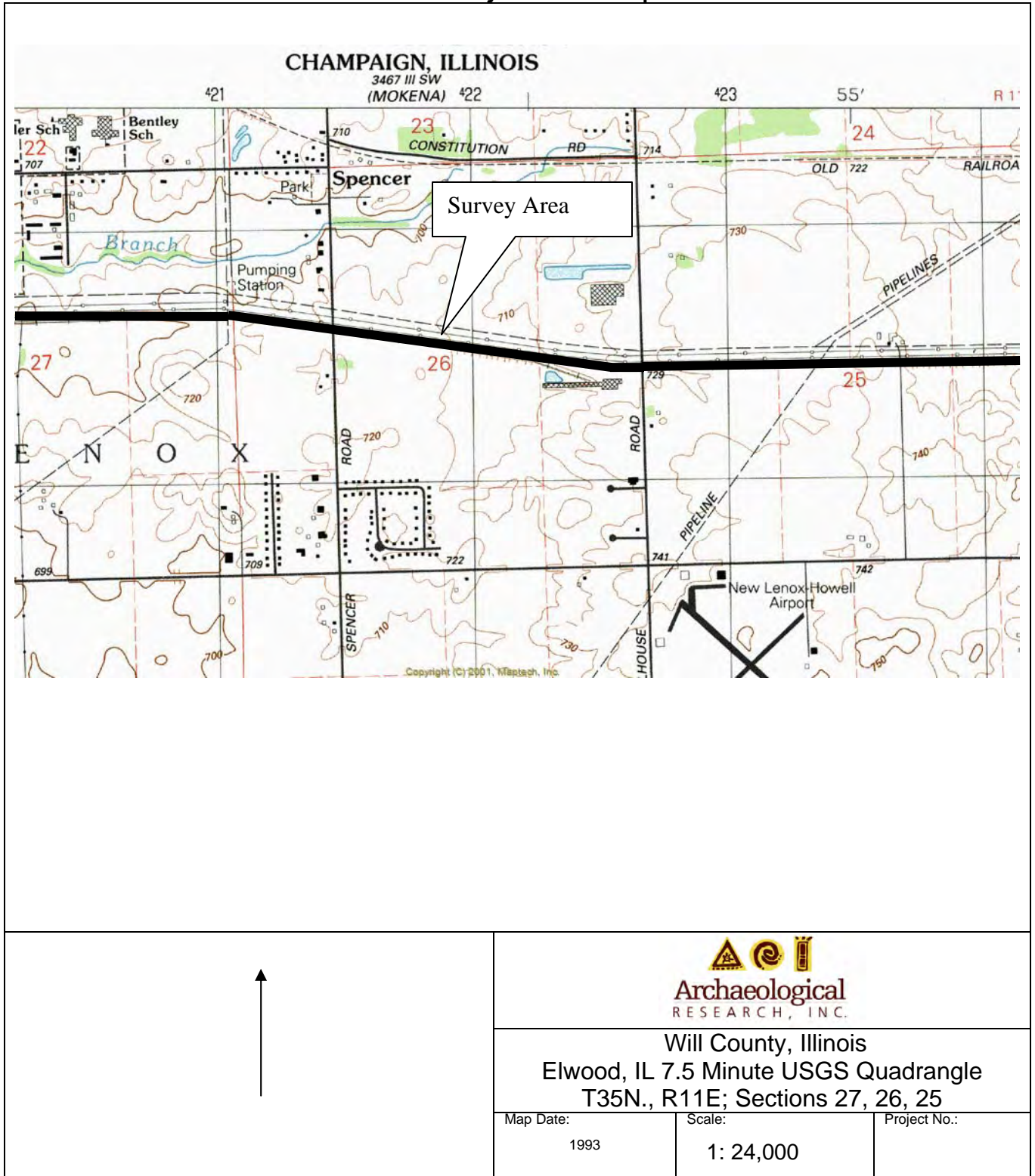


			
	Will County, Illinois Elwood, IL 7.5 Minute USGS Quadrangle T35N., R11E; Sections 25, 30, 29		
	Map Date: 1993	Scale: 1: 24,000	Project No.:

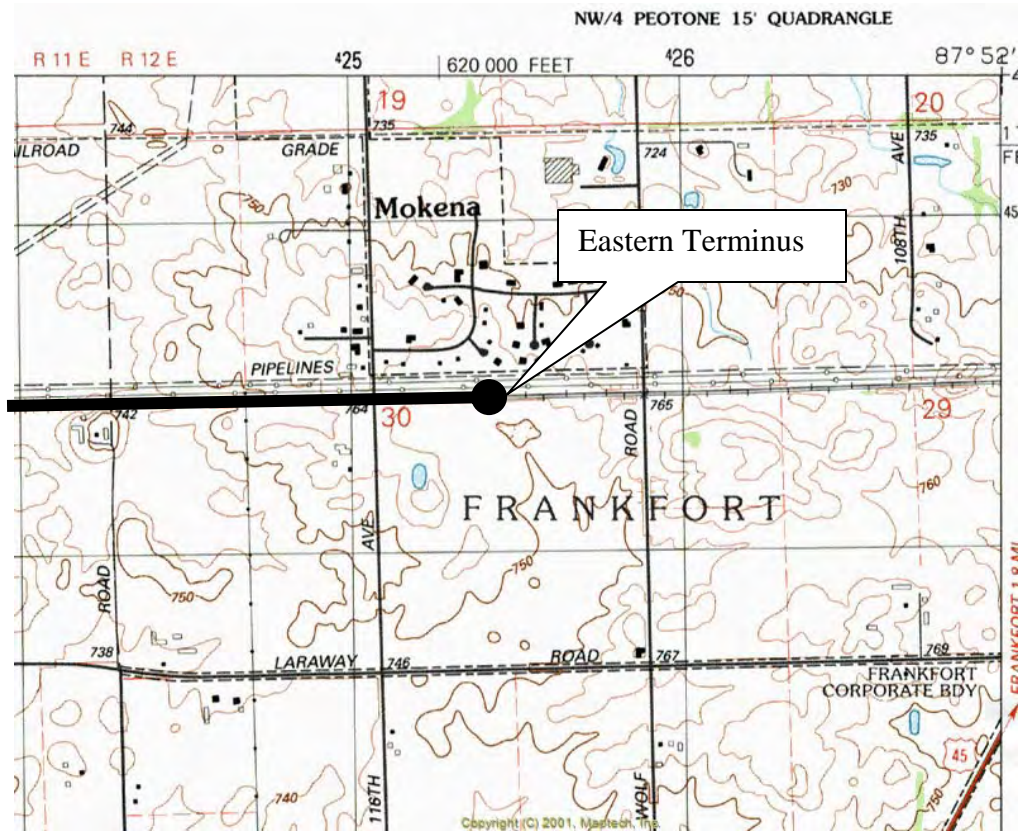
Attachment 4. Project Location Map



Attachment 5. Project Area Map



Attachment 6. Project Area Map



Archaeological
 RESEARCH, INC.

Will County, Illinois
 Elwood, IL 7.5 Minute USGS Quadrangle
 T35N., R11E; Sections 25
 T35N., R12E; Sections 30, 29

Map Date:

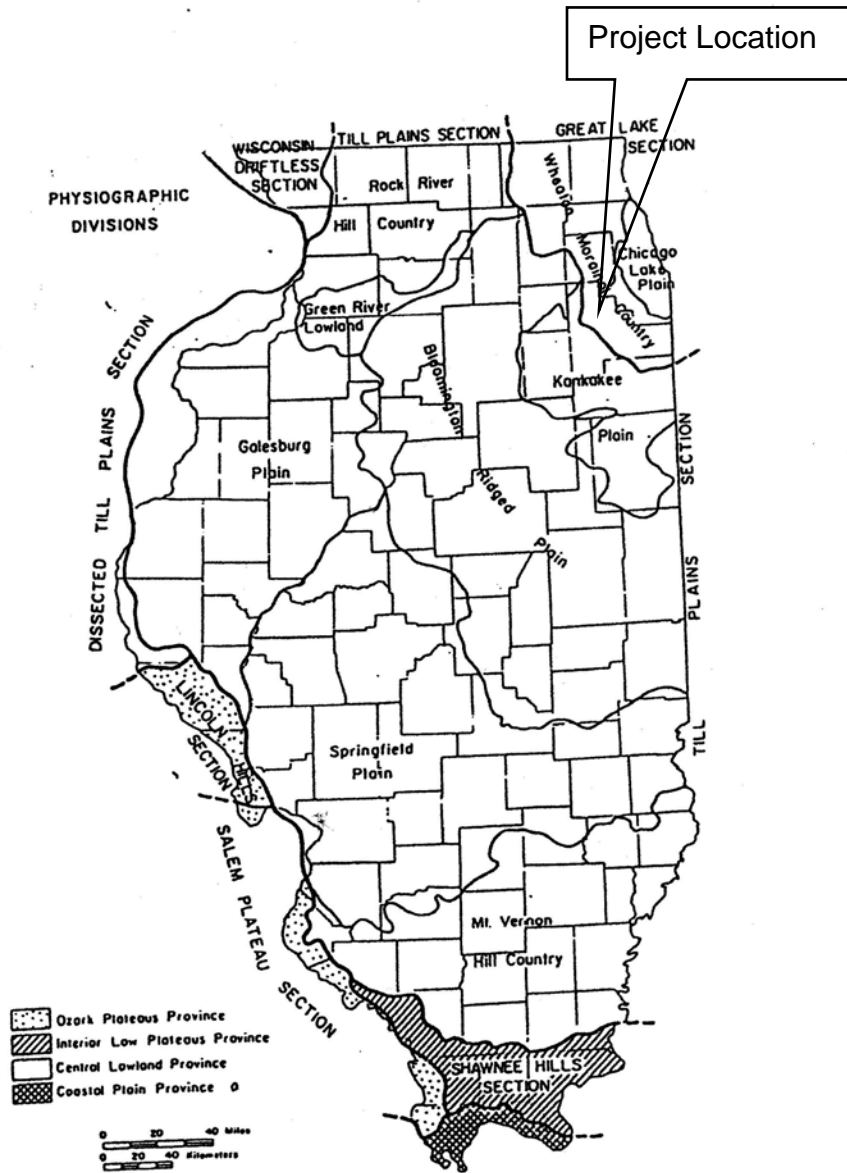
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Scale:

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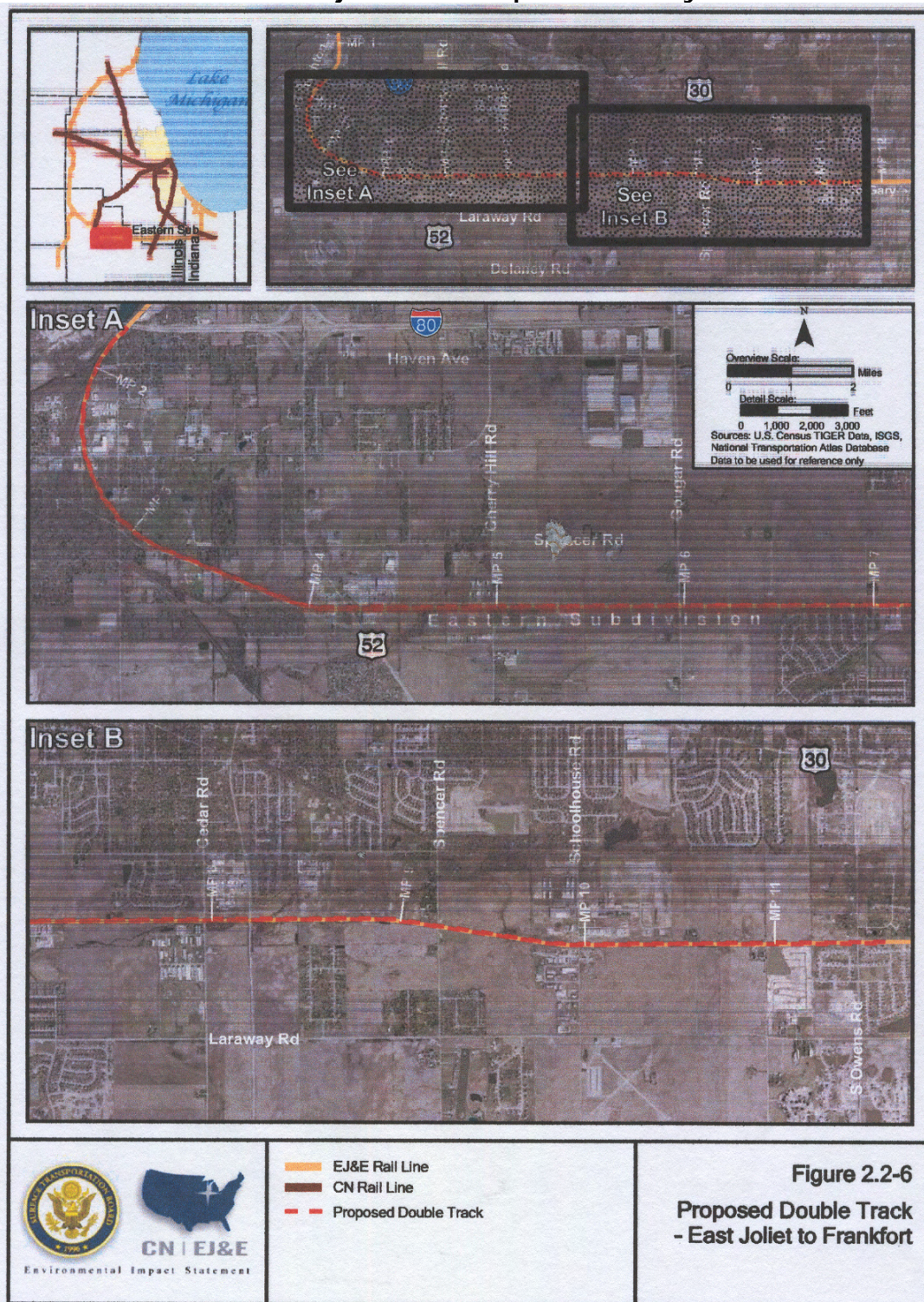
Project No.:

Attachment 7. Physiographic Provinces of Illinois



Physiographic Provinces of Illinois (Willman 1975:16)

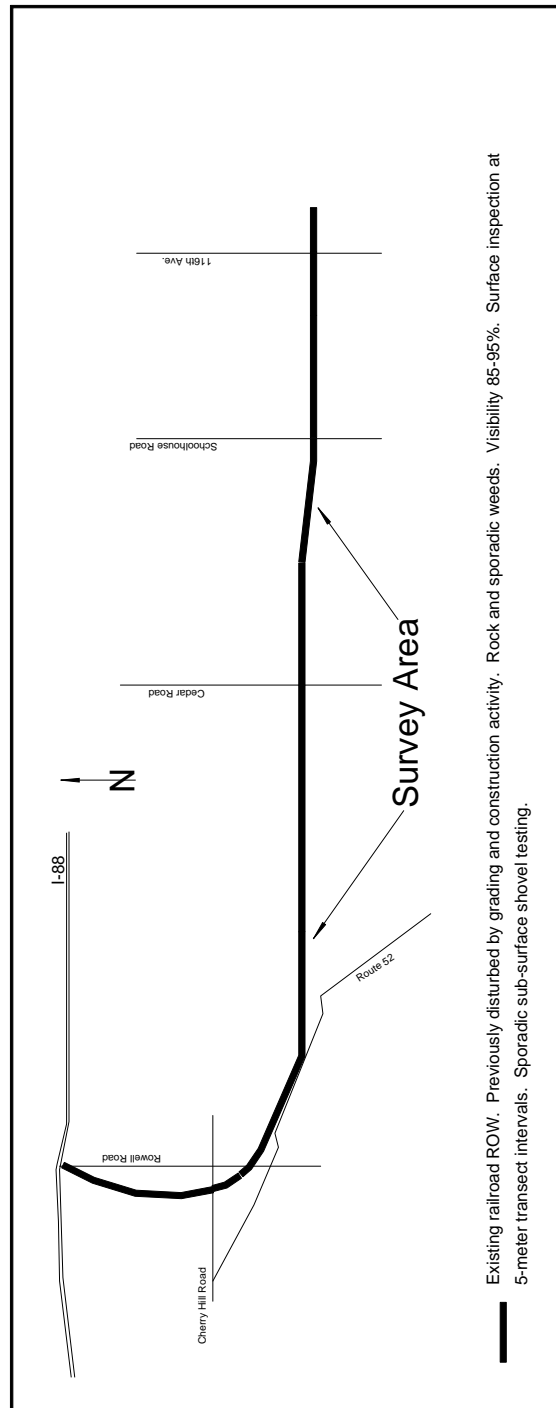
Attachment 8. Project Area Map Provided by the Client.

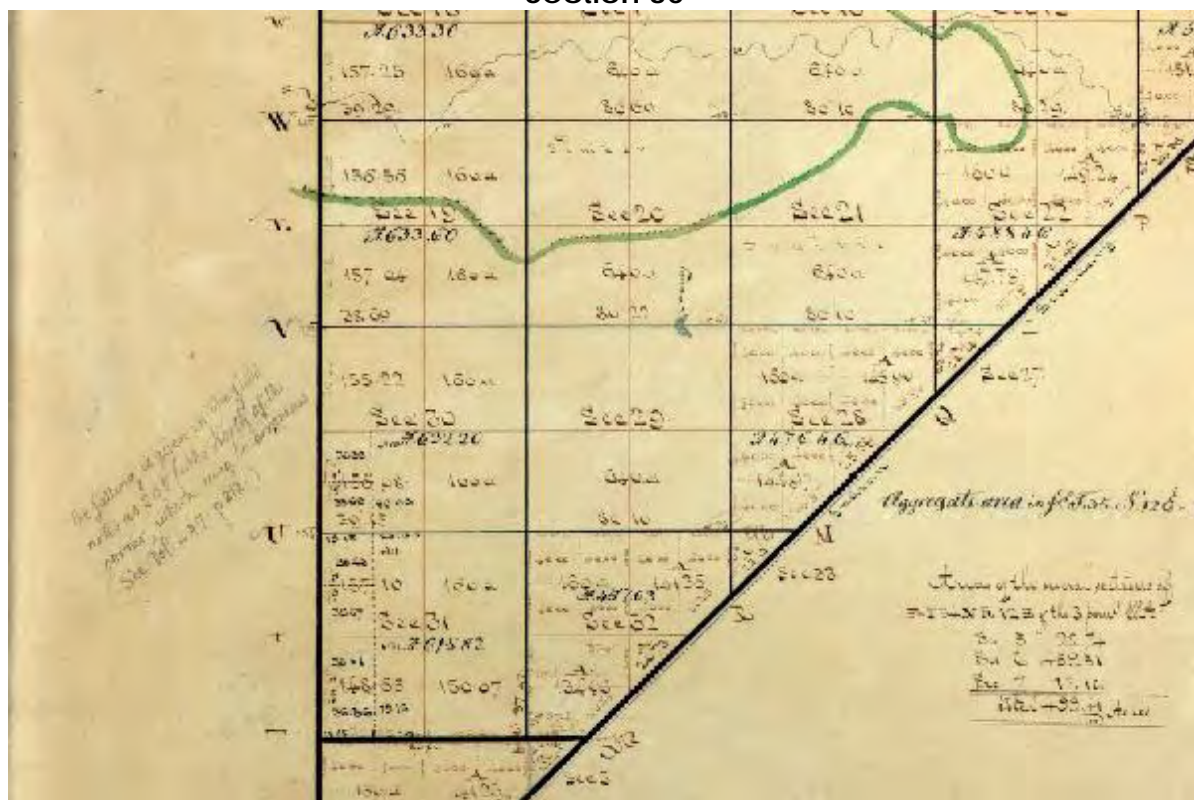


Attachment 9. Representative Project Area Map Provided by the Client



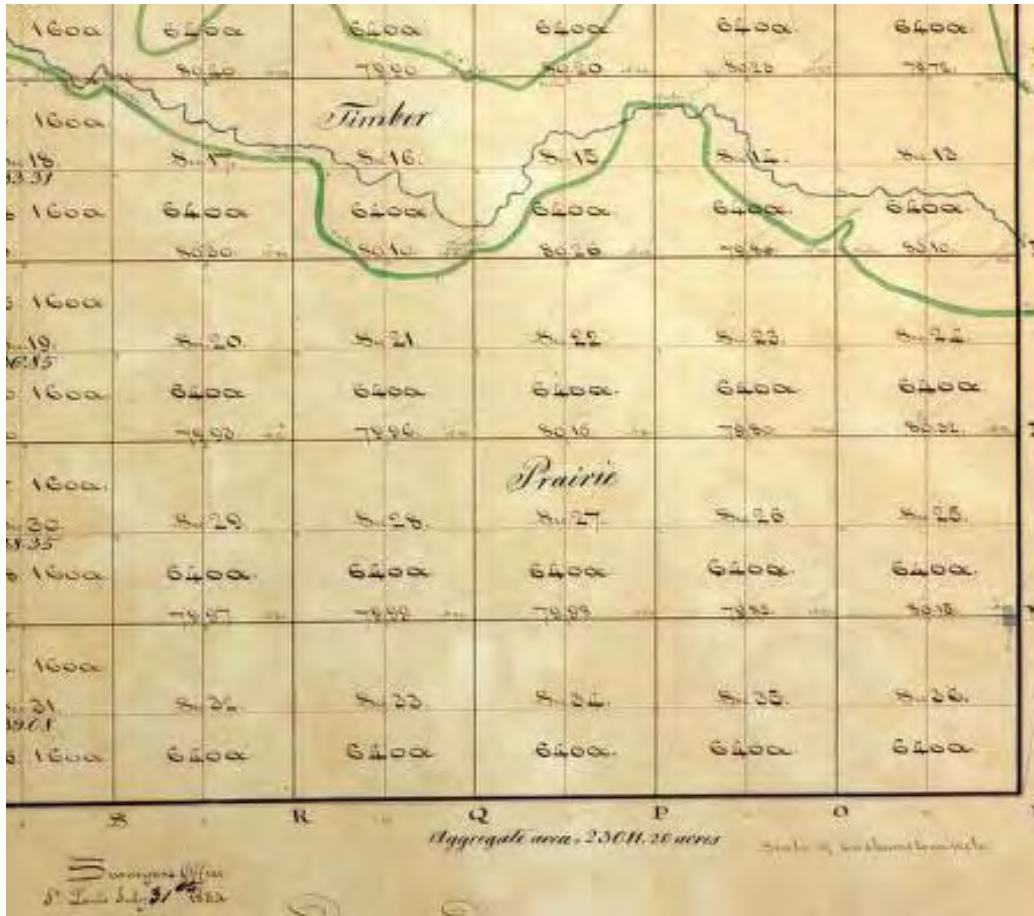
Attachment 10. Sketch Map of the Project Area Showing Vegetation and Survey Methods.





1834 General Land Office Plat Map. Library of Congress.

Attachment 12. General Land Office Plat Map
Township 35 North, Range 11 East
Sections 25, 26, 27, 28, 29



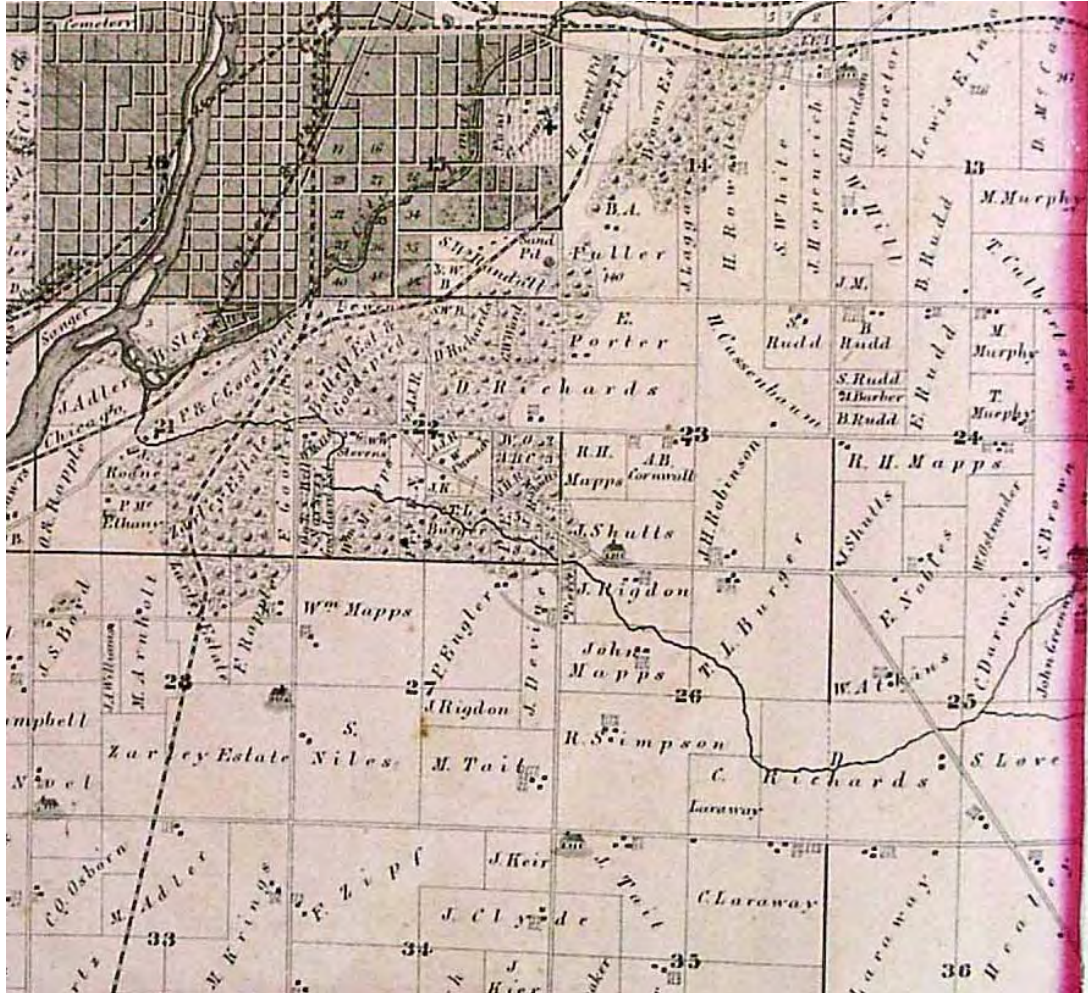
1834 General Land Office Plat Map. Library of Congress.

Attachment 13. General Land Office Plat Map
Township 35 North, Range 10 East
Sections 25, 26, 23, 22, 15, 14



1850 General Land Office Plat Map. Library of Congress.

Attachment 14. 1873 Plat Map of Will County, Illinois.
Joliet Township
Sections 14, 15, 22, 23, 25, 26



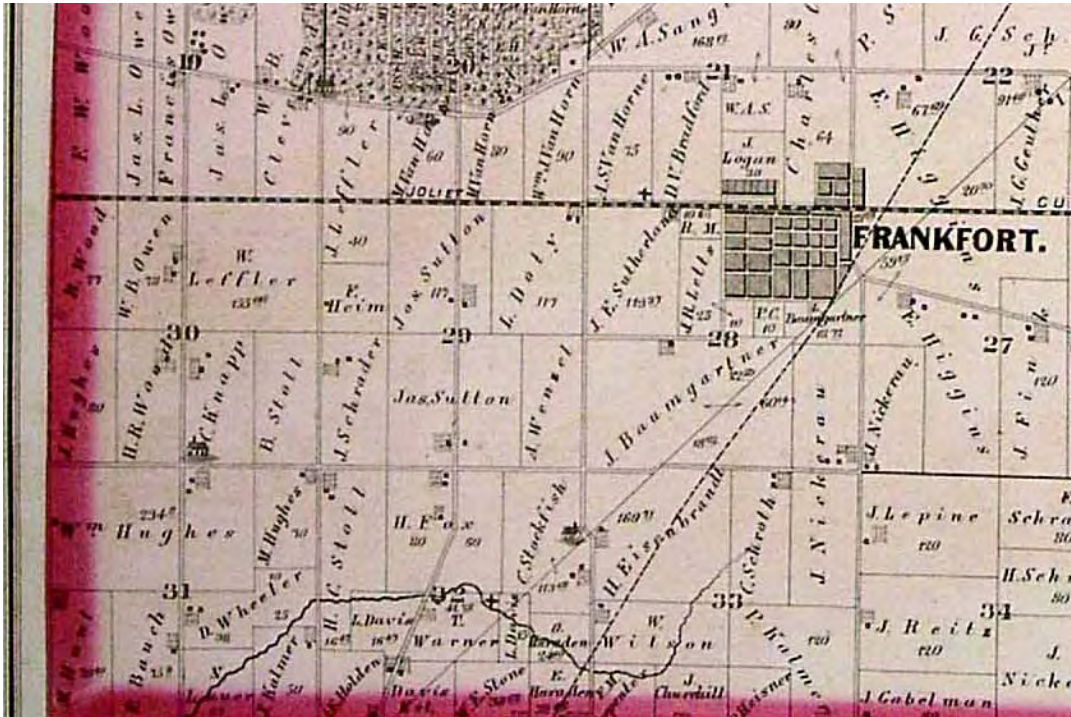
1873 New Combination Atlas of Will County, Illinois. Thompson Brothers, & Burr.

Sections 30, 29, 28, 27, 26, 25



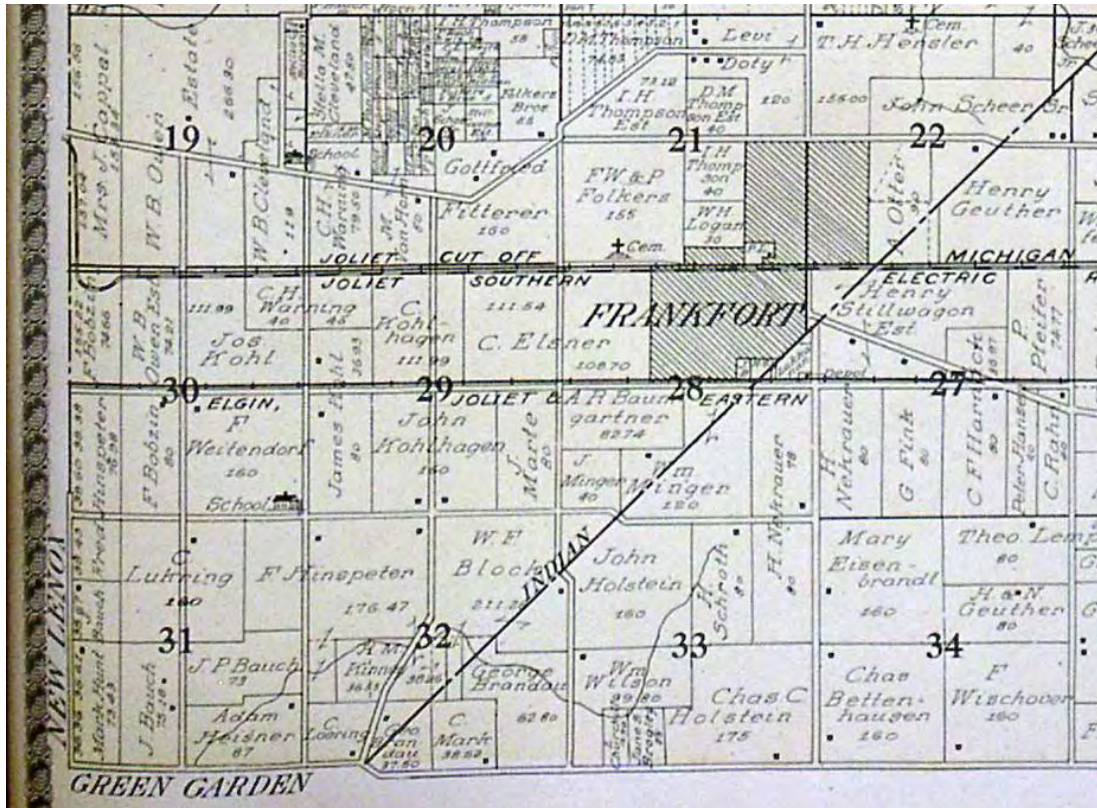
1873 New Combination Atlas of Will County, Illinois. Thompson Brothers, & Burr.

**Attachment 16. 1873 Plat Map of Will County, Illinois.
Frankfort Township
Section 30**



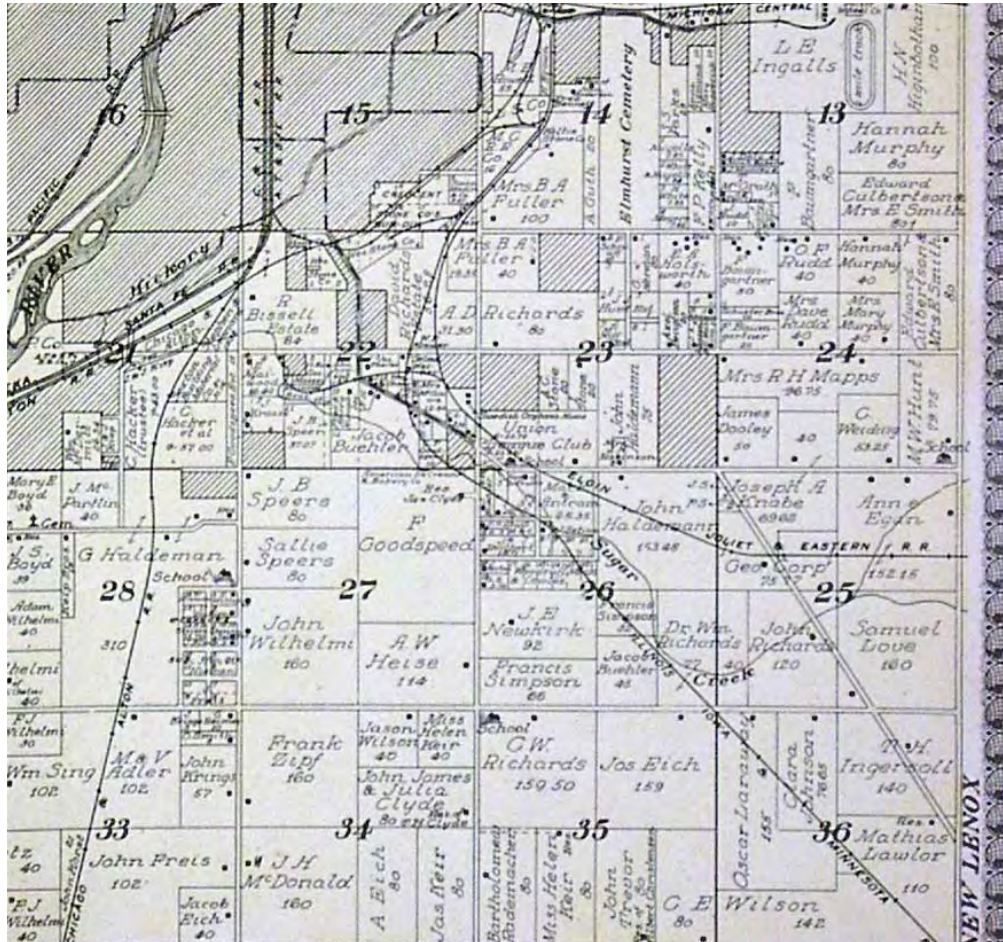
1873 New Combination Atlas of Will County, Illinois. Thompson Brothers, & Burr.

Attachment 17. Plat Map of Will County, Illinois
Frankfort Township
Section 30

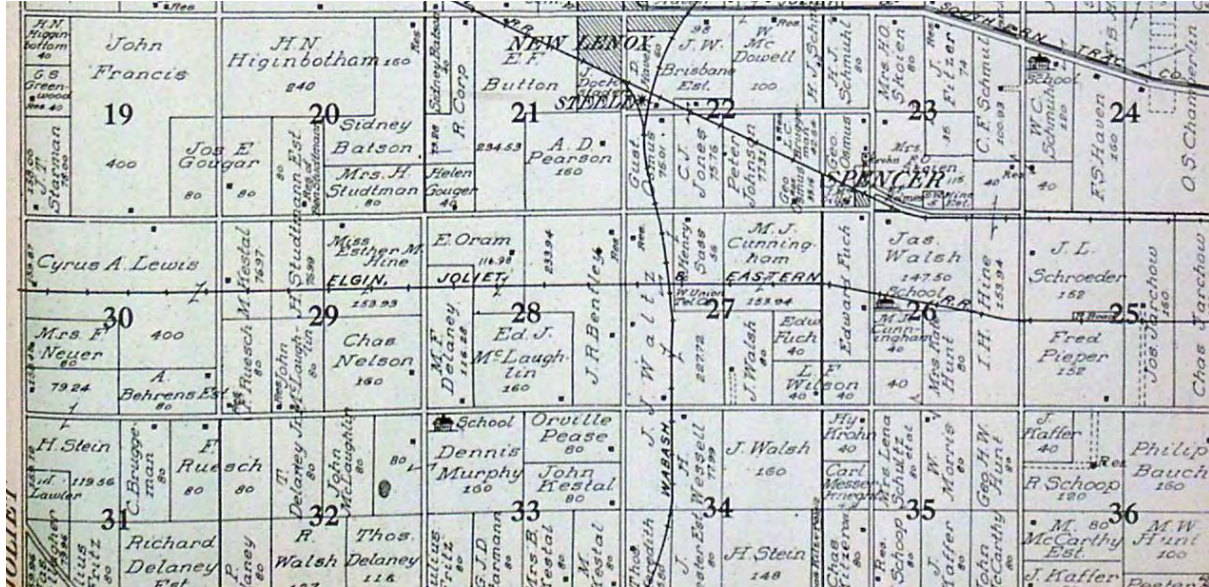


1909 Standard Atlas of Will County, Illinois. George A. Ogle & Co.

Attachment 18. Plat Map of Will County, Illinois
Joliet Township
Sections 14, 15, 22, 23, 25 & 26



Attachment 19. Plat Map of Will County, Illinois
New Lenox Township
Sections 30, 29, 28, 27, 26, & 25



Attachment 20. Representative Photographs of the Project Area



View to west from Wolf Road, Frankfort.



View to northeast of I-80 overpass at Rowell Avenue.

Attachment 21. Representative Photographs of the Project Area



View to west of Cedar Road, New Lenox.



View to west from Nelson Road.

Results of a Phase I Archaeological Investigation
For the CN EJ&E Acquisition
Environmental Impact Statement
Proposed Matteson Connection,
Cook County, Illinois

Prepared for
Surface Transportation Board
Section of Environmental Analysis
and HDR Engineering, Inc.

Prepared by
Archaeological Research, Inc.
4147 N. Ravenswood Ave.
Chicago, IL 60613
(773) 975-1753
www.arch-res.com

This document was prepared by
David Keene, PhD., RPA
June 2008

Signature of Project Archaeologist, David Keene

ARCHAEOLOGICAL SURVEY SHORT REPORT
Illinois Historic Preservation Agency
Old State Capitol Bldg., Springfield, IL 62701 (217/785-4997)

Reviewer _____
Date: _____
____Accepted ____Rejected

IHPA Log # _____
Locational Information and Survey Conditions
County: Cook
Quadrangle: Steger

IHPA use only (Form ASSR0886)

Project Type/Title: Phase I/Matteson Connection

Funding &/or Permitting Fed./State Agencies:

Sec: 26 & 23

T.: 35 N R.: 13 E Natural Divis. (no.): 3a

Project Description: The client proposes to construct new rail lines within the project area.

Topography: The project area is located within the Wheaton Morainal physiographic province of Illinois. The Wheaton Morainal country is characterized by broad flat expanses (outwash plains) punctuated by the gently to steeply sloping moraines and till plains. Locally, the project area consists of relatively flat outwash plains.

Soils: Soils within the project area have been mapped as: Urban Land, Peotone silty clay loam, Bryce silty clay, Milford silty clay loam and Martinton Silt loam. Peotone series soils are situated on depressions, formed in a parent material of colluvium, and developed under marsh and sedges. Bryce series soils are situated on flats, formed in glacial till and developed under marsh grass and sedges. Milford series soils are situated on flats formed in lacustrine deposits and developed under marsh grass and sedges. Martinton series soils are situated on lake plains, formed in lacustrine deposits and developed under prairie grass.

Drainage: The project area is drained by an unnamed drainage that drains into Butterfield Creek, which drains into Thorn Creek, which drains into the Little Calumet River.

Land Use/Ground Cover (Include % Visibility): The majority of the project area has been previously disturbed by the construction of existing railroads, structures, roads and parking areas. The remainder of the project area consisted of unused areas with vegetation of small trees. Visibility in this area was roughly 85%.

Survey Limitations: There were no limitations to a comprehensive survey of the project area.

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

Historic Plats/Atlases/Sources:

IAS site files for Will County, Plat & Atlas of Will County, Illinois: 1839 (GLO); 1851 (Rees); 1861(Mendel); 1870 (J. Van Vechten); 1886 (Snyder); 1890 (Snyder), ARI site files for Will County.

Previously Reported Sites: There are no previously reported sites within the project area. There are nine previously reported sites (848, 849, 850, 851, 852, 853, 854, 915, 916) within one mile of the project area.

Previous Surveys: A small portion of the project area has been previously surveyed (IHPA doc.# 8915). Previous surveys within one mile include the following: Balek, 1998 [IHPA doc.# 8915]; Parrish, 2007 [IHPA doc.# 16294];

Regional Archaeologists Contacted: David Keene

Investigation Techniques: Surface inspection was conducted at 5-meter transect intervals over the entire project area.

Time expended: 2 person days

Sites/Find Spots Located: N/A

Cultural Material: N/A

Curated At: N/A

Collection Techniques: N/A

Area Surveyed (Acres & Square Meters): 15 acres / 60,705 square meters

Results Of Investigation And Recommendations: (Check One)

- ☒ Phase I Archaeological Reconnaissance Has Located No Archaeological Material; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase I Archaeological Reconnaissance Has Located Archaeological Materials; Site(s) May Meet Requirements For National Register Eligibility; Phase II Testing Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Does (Do) Not Meet Requirements For National Register Eligibility; Project Clearance Is Recommended.
- ☐ Phase II Archaeological Investigation Has Indicated That Site(s) Meet Requirements For National Register Eligibility; Formal Report Is Pending And A Determination Of Eligibility Is Recommended.

Comments: SEE ADDITIONAL COMMENT SHEET

Archaeological Contractor Information:

Archaeological Contractor: Archaeological Research, Inc.

Address/Phone: 4147 North Ravenswood Avenue Suite 301 Chicago, Illinois 60613/ (773) 975-1753

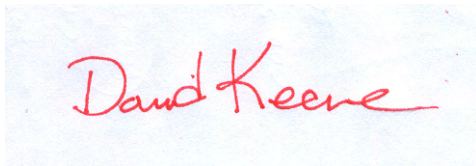
Surveyor(s): Keene

Survey Date: 4-25, 28-08

Report Completed By: Keene & Parrish

Date: 5-9-08

Submitted By (Signature & Title):



staff archaeologist

Attachment Check List: (#1 Through #4 are MANDATORY)

- ☒ 1) Relevant Portion Of USGS 7.5' Topographic Quadrangle Map(s) Showing Project Location And Any Recorded Sites;
- ☒ 2) Project Map(s) Depicting Survey Limits And, When Applicable, Approximate Site Limits And Concentrations Of Cultural Materials;
- ☐ 3) Site Form(s):
- ☒ 4) All Relevant Project Correspondence;
- ☒ 5) Additional Information Sheets As Necessary.

Address Of Contracting Agency To Whom SHPO Comment Should Be Mailed:

HDR Engineering, Inc.
5426 Bay Center Dr.
Tampa, FL 33609-3444

Contact Person: Mr. Barry R. Wharton

Phone No. 813-282-2360

Reviewers Comments:

ADDITIONAL COMMENTS:

Archaeological inspection of the project area did not result in the location of any cultural material. Historic plat maps do not indicate the presence of any historic structures within the project area. The majority of the project area has been previously disturbed by the construction of existing railroads, structures, roads and parking lots. Given the negative results of field inspection, as well as background documents further investigation is not considered likely to result in the location of significant cultural deposits in situ. Further investigation of this parcel is therefore not recommended.

References Cited

Nelson, Ronald E.

1954 *Illinois: Land and Life in the Prairie State*. Kendall/Hunt, Dubuque.

Schwegman, John E.

1973 *Comprehensive Plan for the Illinois Nature Preserves System Part 2, the Natural Divisions of Illinois*. Illinois Nature Preserves Commission, Rockford.

Wascher, H.L., P.T. Veale, and R.T. Odell

1962 *Will County Soils*. Soil Report 80. Soil Conservation Service, U.S. Department of Agriculture, Washington D.C.

Willman, H.B.

1977 *Summary of the Geology of the Chicago Area*. Illinois State Geological Survey Circular 460, Urbana.

1839 *General Land Office Plat Map of Will County, Illinois*. Library of Congress.

1851 *Map of the Counties of Cook and DuPage, the East Part of Kane and Kendall, North Part of Will, State of Illinois*. James H. Rees, Chicago.

1861 *Map of Cook County & Chicago, Illinois*. Edward Mendel, Chicago

1870 *Map of Cook and DuPage Counties also the northern Portion of Lake County, Indiana*. Compiled and Drawn from Latest Records. J. Van Vechten, Chicago, Illinois.

1886 Synder's Real Estate Map of Cook County.

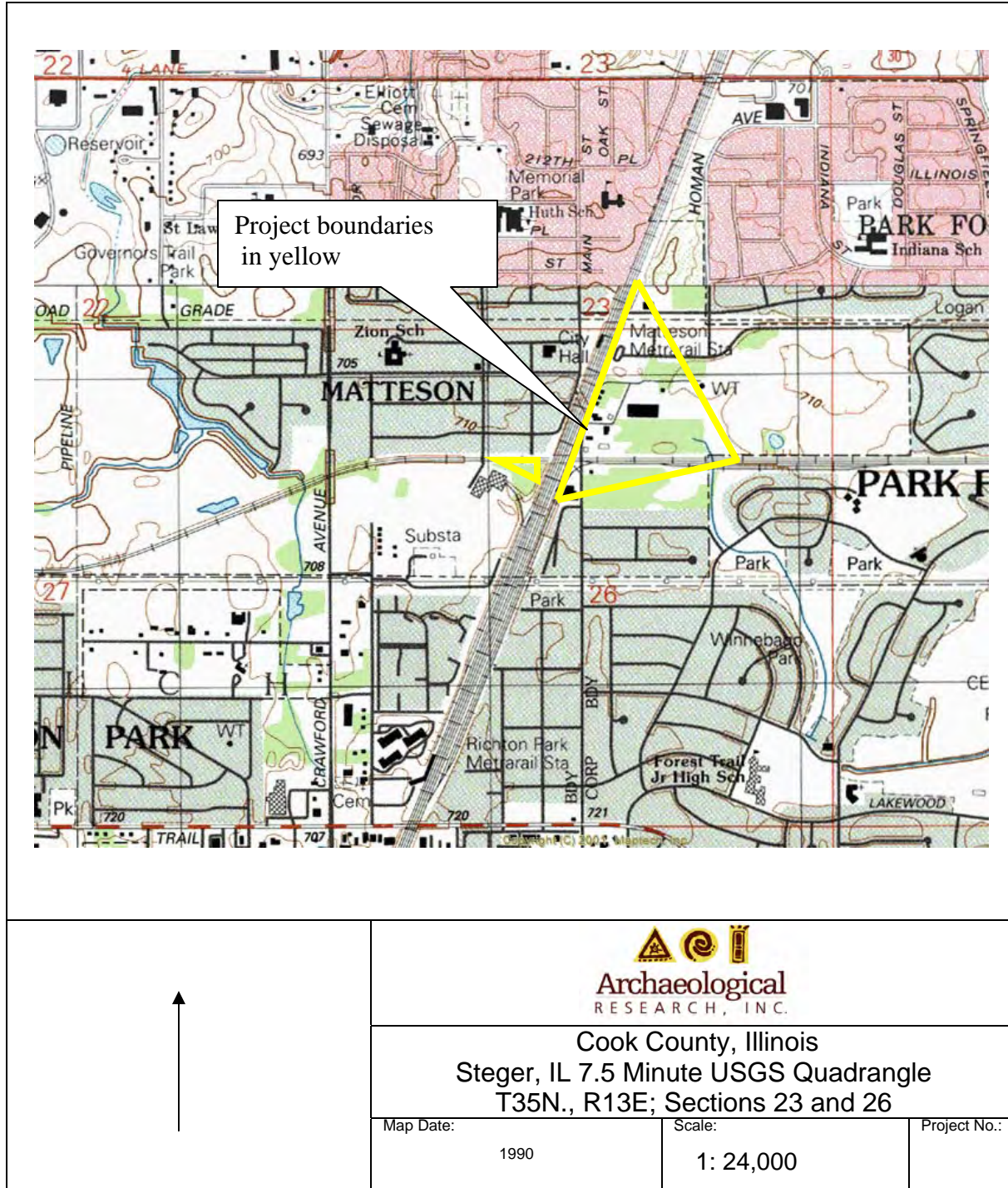
1898 *Snyder's Real Estate Map of Cook, DuPage and Part of Will Counties, Illinois*. William L. Mitchell, Chicago.

Other References

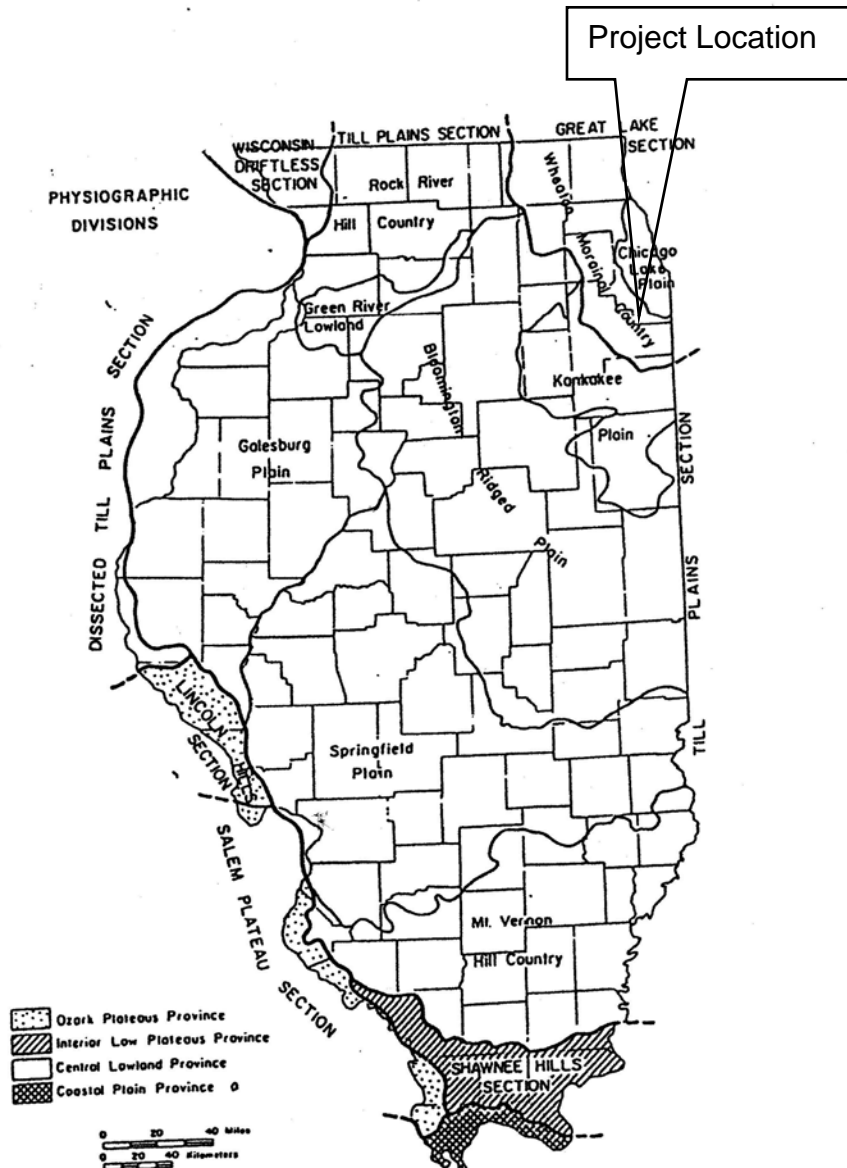
Illinois Archaeological Survey (IAS) site files. Illinois State Museum, Springfield

Albert F. Scharf maps housed at the Chicago Historical Society, Chicago.

Attachment 1: Project Location Map

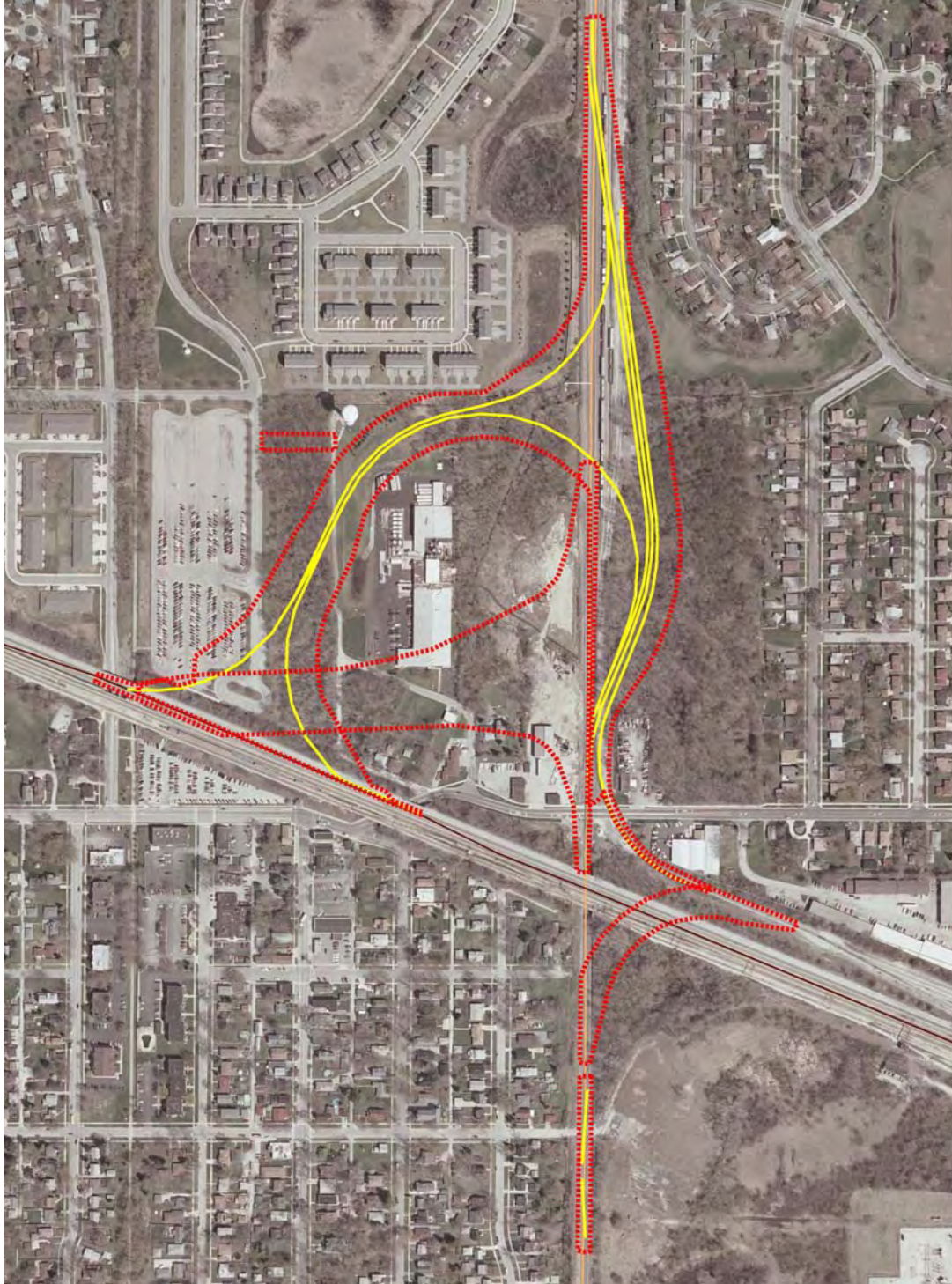


Attachment 2. Physiographic Provinces of Illinois



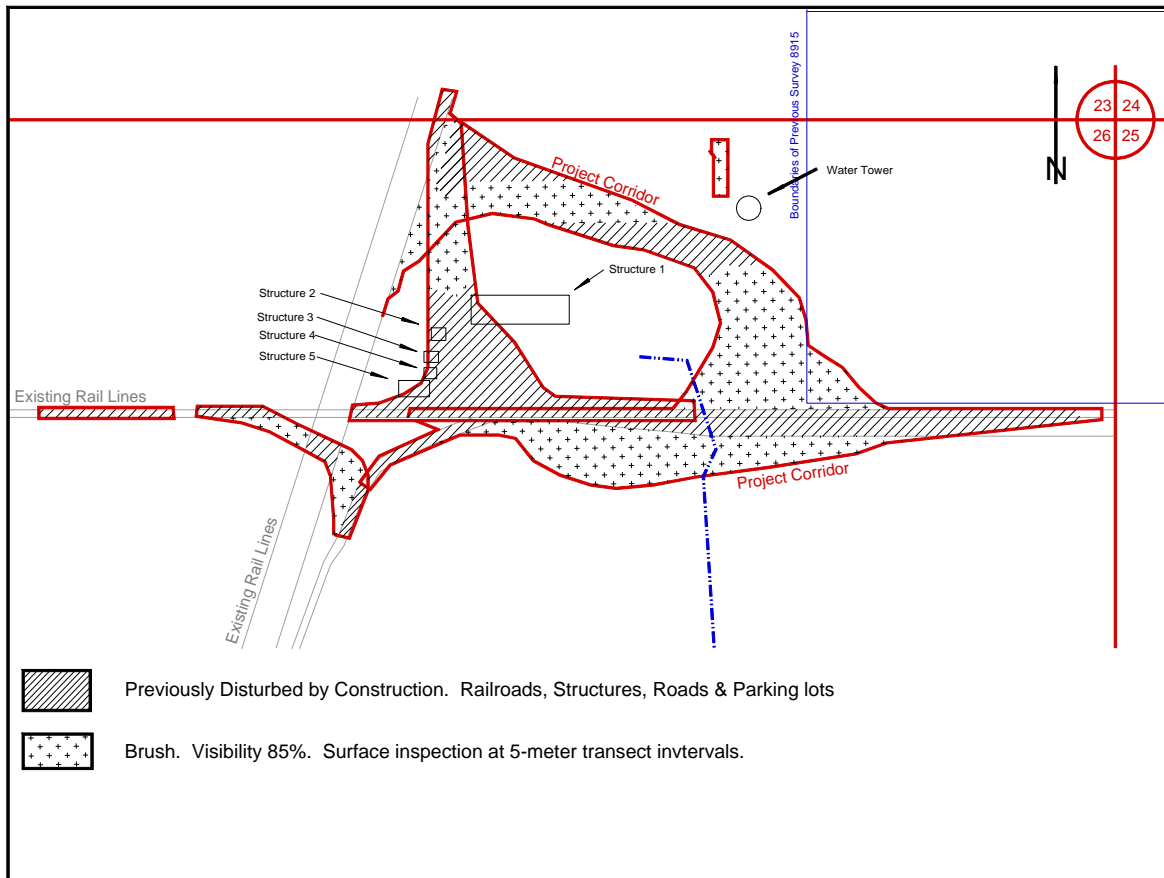
Physiographic Provinces of Illinois (Willman 1975:16)

Attachment 3. Project Area Map Provided by the Client



North is to the left on this photo.

Attachment 4. Sketch Map of the Project Area Showing Vegetation and Survey Methods.

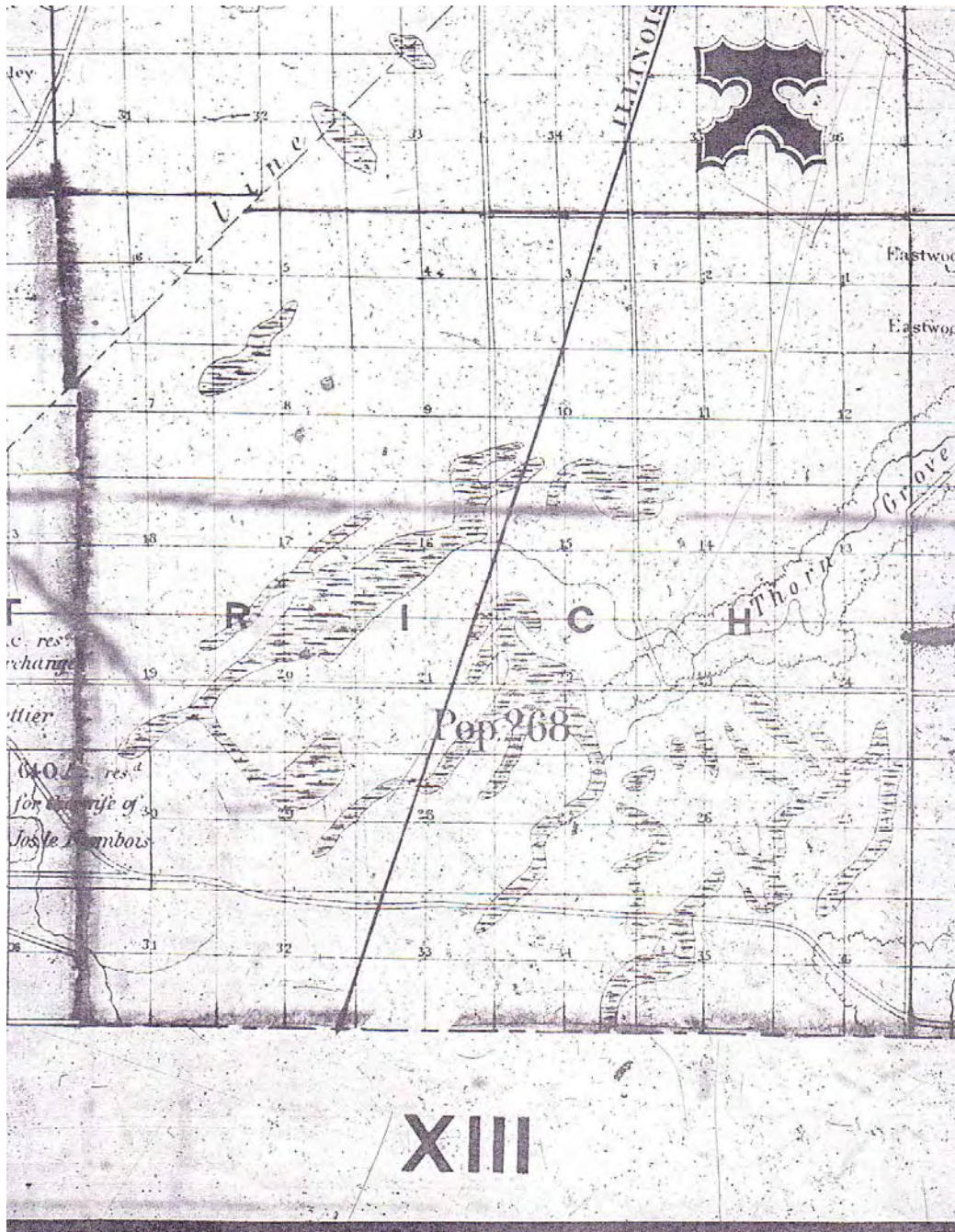


Attachment 5. General Land Office Map.



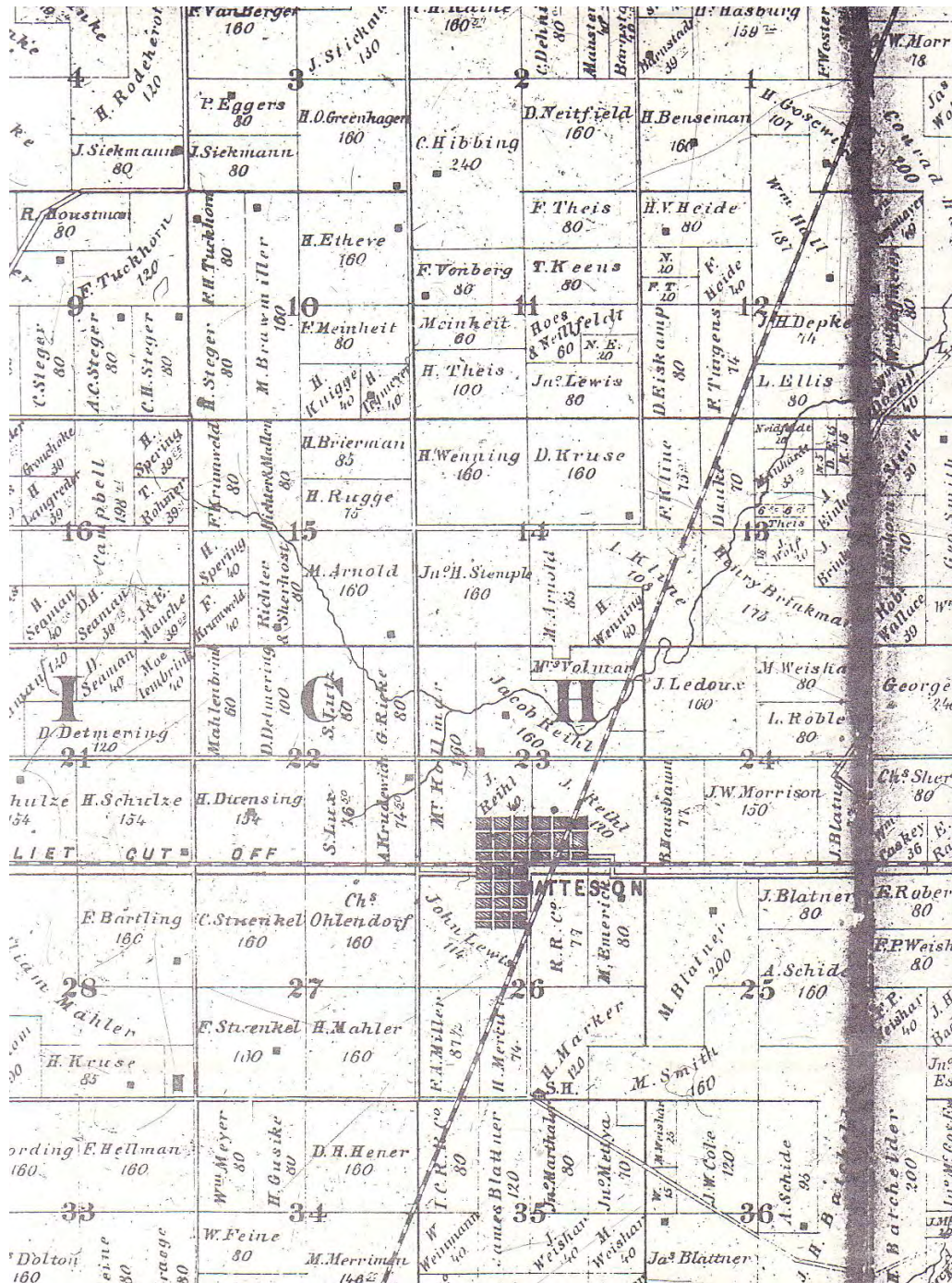
1839 General Land Office Plat Map.

Attachment 6. 1851 Plat Map of Cook County, Illinois



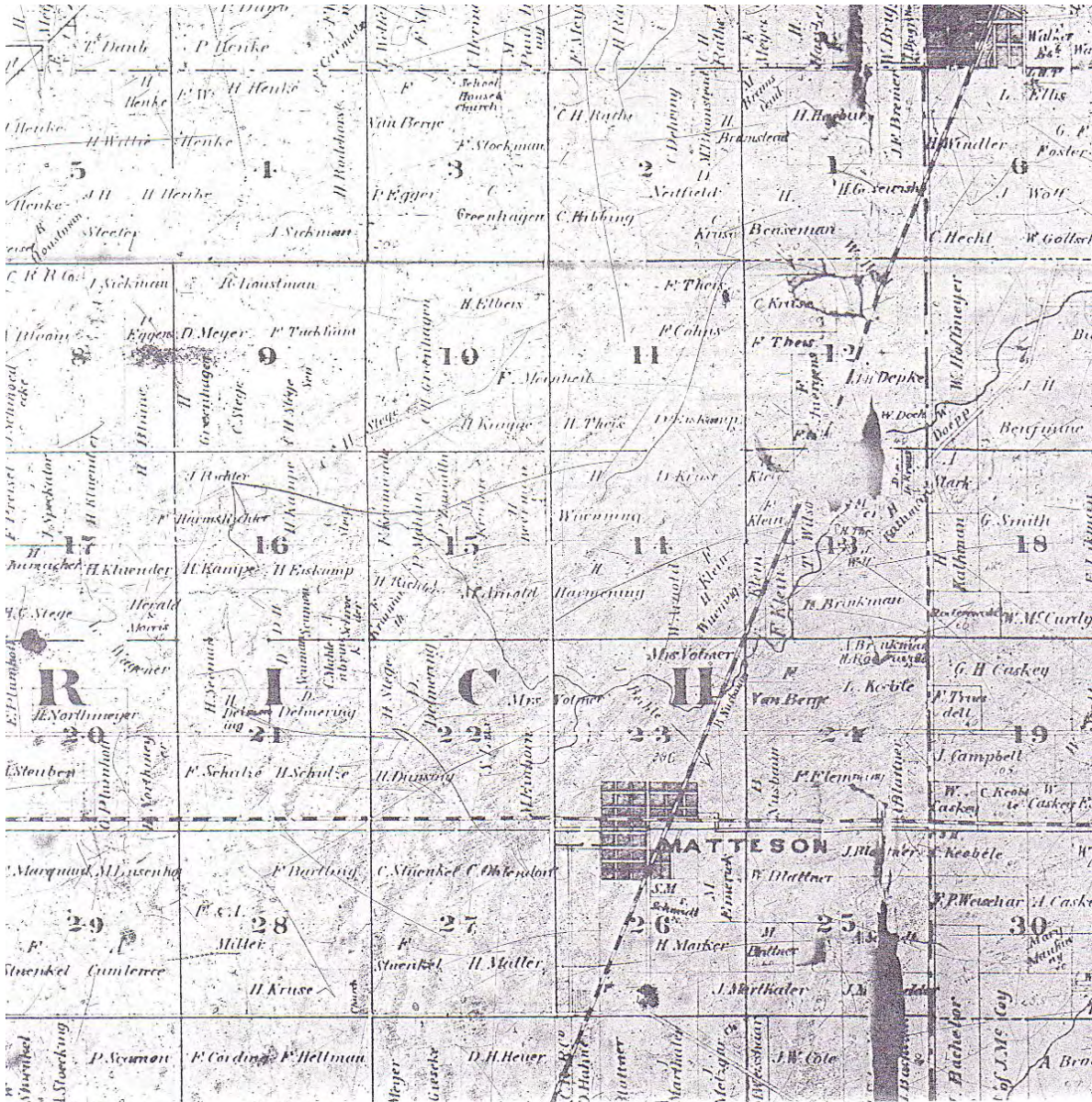
1851 Map of the Counties of Cook and DuPage, the East par of Kane and Kendall, the North Part of Will, State of Illinois Compiled by James H. Rees, Chicago, Illinois

Attachment 7. 1861 Map of Cook County



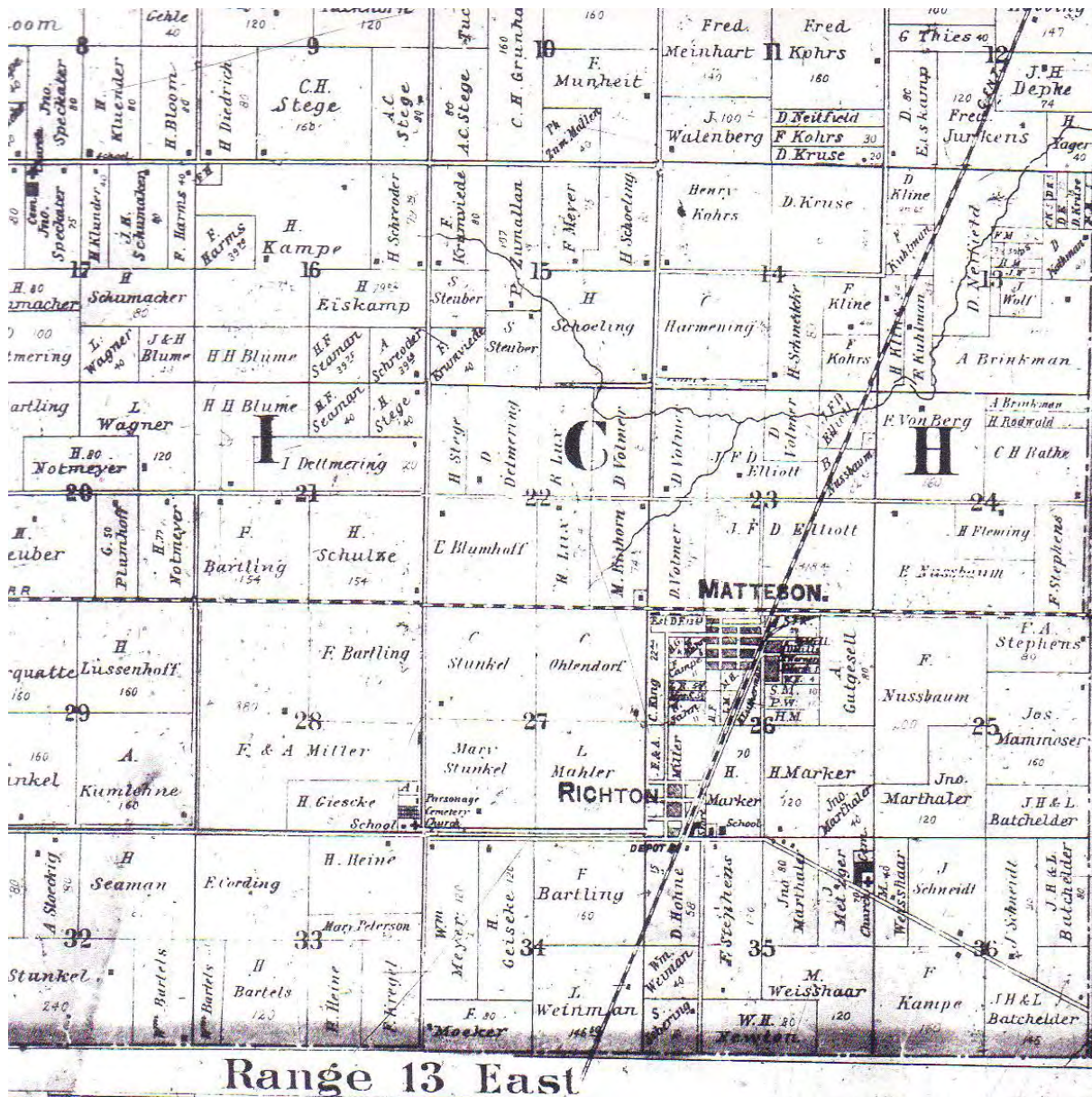
1861 Map of Cook County and Chicago by Edward Mendel of Chicago

Attachment 8. 1870 Plat Map of Cook County, Illinois.



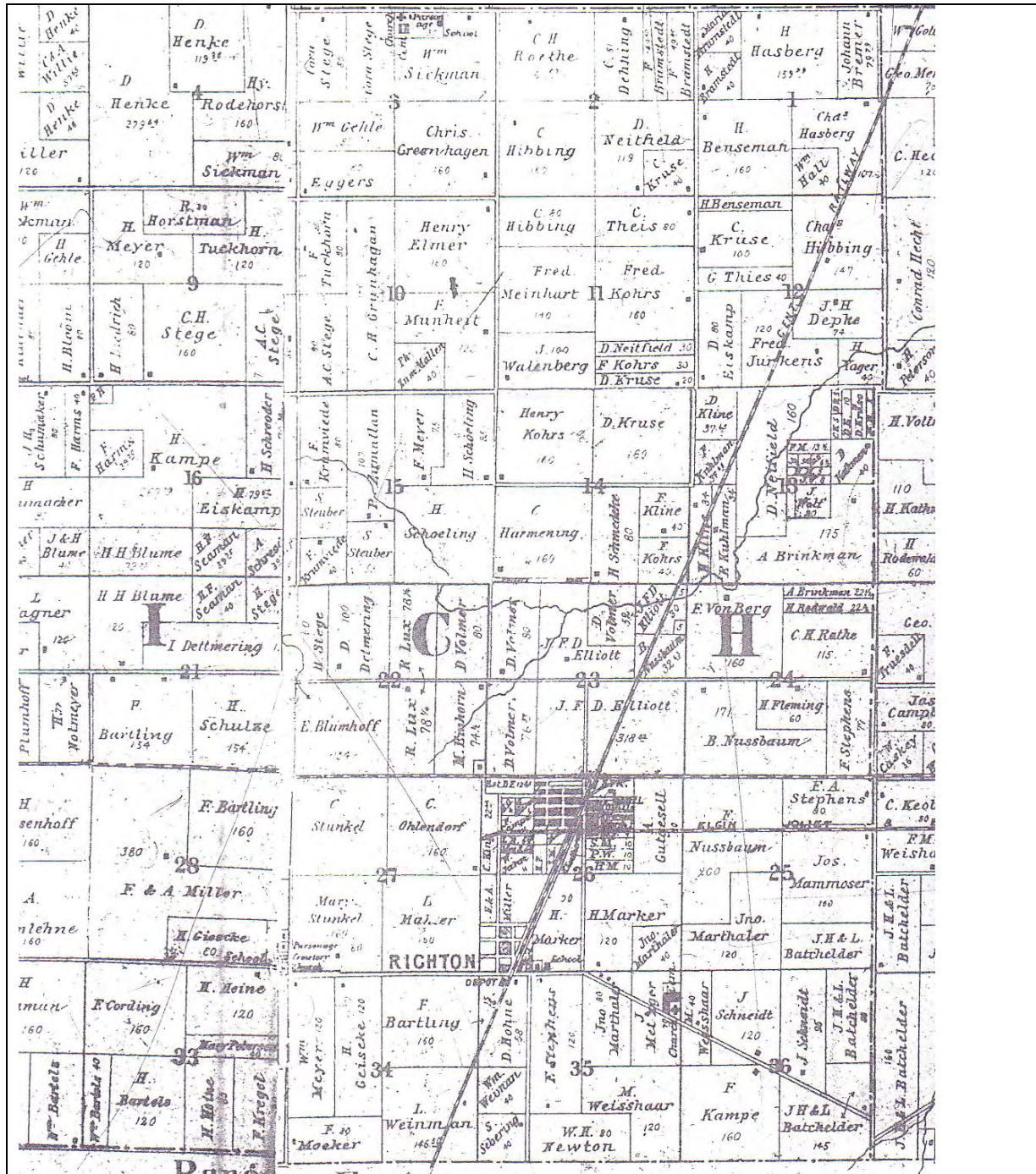
1870 Map of Cook and DuPage Counties also the northern Portion of Lake County, Indiana. Compiled and Drawn from latest Records , Published and Sold by J. Van Vechten, Chicago, Illinois.

Attachment 9. 1886 Real Estate Map of Cook County, Illinois.



1886 Synder Real Estate Map of Cook County

Attachment 10. 1890 Real Estate Map of Cook County, Illinois.



1890 Snyder's Real Estate Map of Cook and DuPage Counties, Illinois.

Attachment 11. Photographs of Standing Structures.



Structure 1. View to northwest.

Attachment 12. Photographs of Standing Structures.



Structures 2, 3, & 4. View to northwest.

Attachment 13. Photographs of Standing Structures.



Structure 5. View to west.